



NKT



Medium-Voltage
Cable Accessories
12 kV up to 42 kV

nkt.com



Hiko[®]
Power Engineering

Table Of Contents

General

- 04** About Us
- 05** Medium-VoltaW Accessories
- 06** Silicone Rubber Application
- 07** Product Trainings
- 09** Geometrical Field Control

Terminations

Indoor Terminations

- 12** TI 12
- 14** TI 12 CA
- 16** TI 24
- 18** TI 24 CA
- 20** TI 36
- 22** TI 36 CA

Outdoor Terminations

- 26** TO 12
- 28** TO 12 CA
- 30** TO 24
- 32** TO 24 CA
- 34** TO 36
- 36** TO 36 CA
- 38** TC

Cable Connectors

Cable Connectors for Type A and B

- 42** CE 24-250
- 44** CE 24-250 (with metal housing)
- 46** CE 24-250/2
- 48** EASG 10/250; EASG 20/250
- 50** CE 24-400
- 52** CB 36-400

Cable Connectors for Type C1/C2 and F

- 56** CB 24-630
- 60** CB 24-1250/2
- 62** CB 36-630
- 64** CB 36-630 (1250)
- 66** CB 42-1250/3
- 70** CB 42-2500/3

Coupling Connectors

- 72** CC 24-630 M12
- 76** CC 24-1250/2 M12
- 78** CC 36-630 M12
- 80** CC 36-630 M16
- 82** CC 36-630 (1250)
- 84** CC 42-2500/3

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Surge Arresters

- 86 CSA M12, CSA M16
- 88 CSB

Cable Connectors for Inner Cone Bushings

- 92 CPI 2
- 94 CPI 3
- 96 CPI 3 XL
- 98 SPI
- 100 Accessories for Inner Cone Plugs

Joints

- 104 JS 24-E
- 106 JS 36-E
- 108 JC 24-CC
- 110 JC 24-HS
- 112 JC 42-HS

Accessories

- 116 Trifurcating set
- 118 Accessories
- 121 Assembling material

- 124 Crimp type cable lugs for termination type TI and TO
- 127 Screw type cable lugs for termination type TI and TO
- 128 Cable lugs for connectors
- 132 Conductor connectors for joints type JS
- 134 Screen cable lugs and accessories
- 135 Screen connectors
- 136 Tools for medium voltage cables
- 139 Pre-assembled connection cables
- 140 Connection types and coupling possibilities

Technical Notes

- 142 Cable data sheet for the specification of accessories
- 143 Certificates

This data was prepared for informational purposes only and does not contain any representations, legally binding declarations or guarantees. Contractual obligations shall only come into effect after a written contract, detailing the terms and conditions, has been signed. A liability of NKT for the correctness of the information contained herein is excluded. The data shall not be handed out to third parties or disclosed in public documents. Any intellectual property rights remain with NKT and are reserved.

About Us



We are a global provider of power cable solutions, encompassing the design, manufacture and installation of low, medium, and high voltage power systems. With headquarter in Denmark and operations across the world, NKT proudly employs over 3400 employees globally across 75 nationalities and celebrated our 130th anniversary in 2021. NKT is listed on the Danish stock exchange, Nasdaq Copenhagen.

NKT began in 1891 with H.P. Prior founding the company Nordisk Elektrisk Ledningstråd og kabel-fabrik in Denmark, translating in English to Nordic

Cable and Wire Factories. At that time, and until relatively recently, many of the company's divisions operated under different names, and the company was established as NKT in 2002 across all divisions.

NKT is certified both locally and globally to the following international standards:

- ISO 9001: 2008** – Quality Management Systems
- ISO 45001: 2018** – Occupational Health and Safety Management Systems
- ISO 14001: 2004** – Environmental Management Systems

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Medium-Voltage Cable Accessories



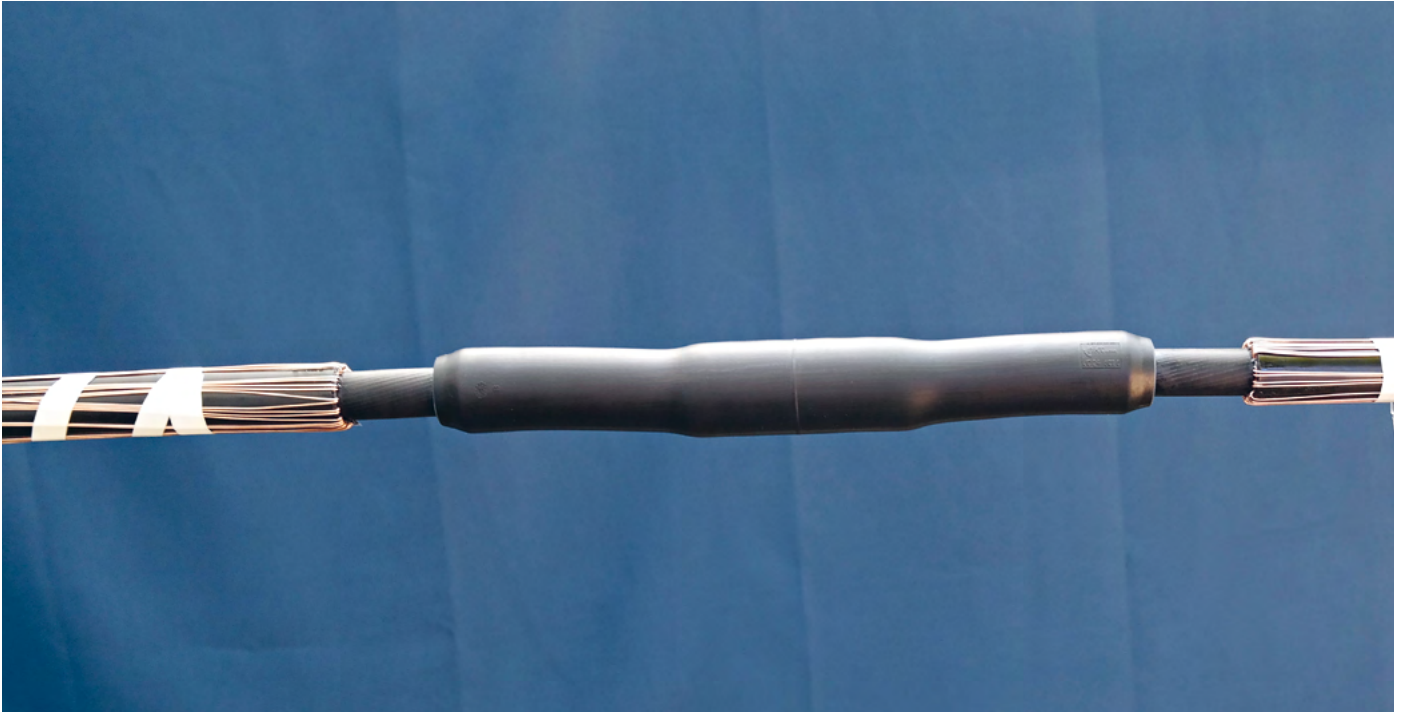
Manufacturing and developing power cable accessories up to 42 kV is one of NKT core businesses. For more than 60 years, NKT has been one of the world market leaders in power cable accessories.

At NKT, we develop and manufacture a wide range of medium-voltage cable accessories, including cable joints, connectors and terminations for both indoor and outdoor applications. Our versatile product portfolio

also features medium-voltage branch cabinets, pre-assembled cable links and cable accessories for PILC.

Our medium-voltage cable accessories provide safe, reliable and durable solutions that are made to last. Thanks to our extensive experience, our renowned engineering expertise and our commitment to continuous development, we are able to offer innovative and future-proof products with a long service life.

Silicone Rubber Application



NKT specializes in production of silicone rubber medium-voltage cable accessories and is a pioneer of this technology, being the first company to introduce silicone rubber terminations back in the sixties. Its excellent mechanical and electrical properties have made it the preferred material for cable accessories, and silicone has been successfully used as high-quality electrical insulation for voltages up to 550 kV. Silicone rubber offers high-quality electrical insulation and superior corona and tracking resistance, combined with a high elasticity. This optimal flexibility ensures easy assembly of accessories, and other outstanding features of the silicone rubber insulation material include:

- UV and ozone resistance
- Weather and aging resistant
- Non-flammable, self-extinguishing, heat resistant
- Applicable for use between -50 °C and +180 °C
- High elasticity
- High tracking resistance
- Unlimited storage life
- Environmentally friendly

When XLPE-insulated cables were introduced in the 1980s, we already focused on possible alterations in the cable physically. Not only does soft rubber enable us to cover a larger number of cable dimensions, it also gives you the overall package in regards to flexibility of choice and a safe, reliable termination.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Product Trainings



At NKT, we acknowledge Cable Jointing as a specialized trade in itself, with a unique skill set and body of knowledge required. At higher voltages, in-depth background information and experience with each type of product is also needed to ensure consistent safe and reliable installations, due to the potentially catastrophic nature of failures when things go wrong.

We believe that all cable accessories should be installed in a manner that ensures the design life

cycle will be achieved and we recognize that Cable Jointing is a profession requiring a high standard of craftsmanship and dexterity during cable preparation and the installation process.

Dependent on your requirements, we offer any aspect of the installation of XLPE cable accessories.

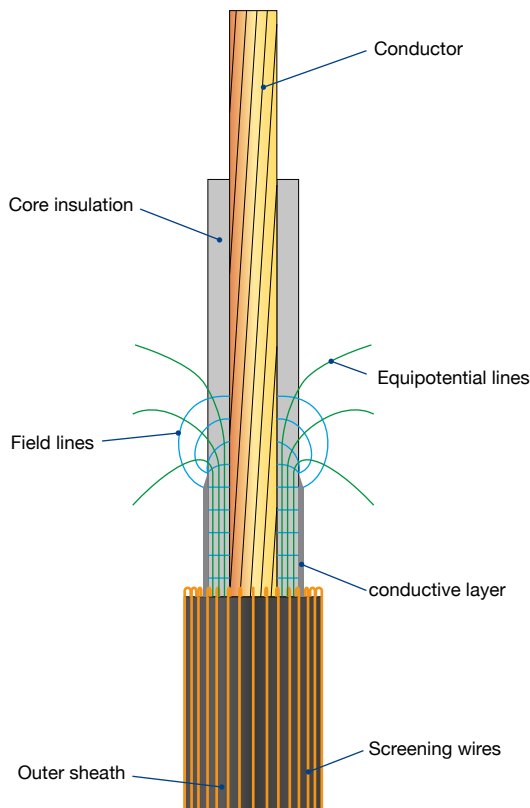


Geometrical Field Control

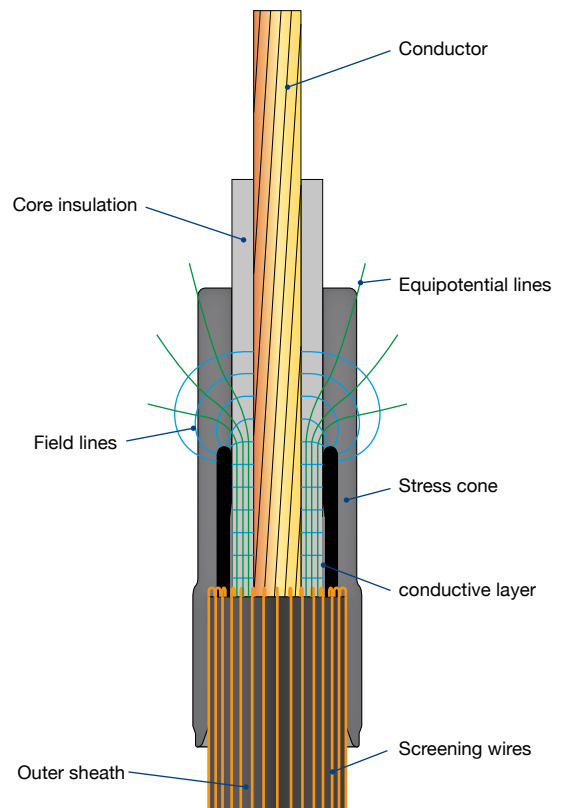
Geometrical Field Control

The specific electrical problems of the cable termination are found at the point between the high-grade solid electrical insulation of the cable and the gaseous insulation air which has a significantly lower dielectric strength. In order to achieve sufficient insulating clearance, the outer conductive layer of the cable must be stripped to below the end of the core. This causes unacceptably high field intensities at the end of the outer conductive layer (figure 1) which must be eliminated by means of special measures.

Figure 2 shows the field of the cable termination controlled capacitively by a funnel shaped electrode. It is dimensioned in such a way that field intensities do not exceed at any point. This prevents harmful corona or partial discharge.



Electrical field without stress control (figure 1)



Electrical field with geometric (capacitive) stress control (figure 2)



Indoor Terminations

Terminations

Terminations for medium voltage cables are necessary to connect the cables with air insulates switchgears, transformers, overhead lines or busbars. While the indoor termination is located in dry air, the outdoor termination is exposed to outdoor condition. Therefore, special measures are to implement: the outdoor termination consist of larger sheds, and the cable lug must be tin plated, to prevent high chemical voltages.

TI = Termination Indoor
TO = Termination Outdoor
TC = Termination Cold shrink

The assembly position of outdoor terminations should be vertical, but maximal 90 degree.
Indoor terminations can be mounted in all positions.

The reference numbers of the terminations refer to cables according to VDE 0276-620, with solid extruded outer conductive layer and copper wire screen. For different cable types, we have a wide variety of accessories. Please give the cable data sheet in your order. In the appendix of this catalogue, you can find a cable data form, wherewith you easy can describe your cable. For installing of the accessories include crimp type cable lugs, crimping tools with die codes according to DIN 48083 part 4 have to be used.

For the termination, draw attention to minimum clearances according to EN 61936-1 (VDE 0101-1):2011-11

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories

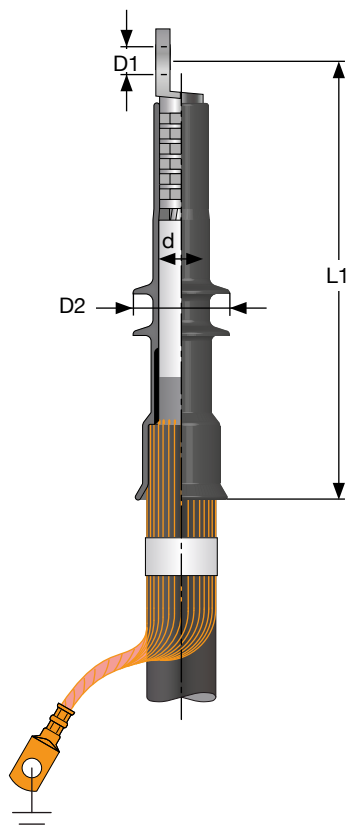


Indoor Terminations

Application:

TI 12 is an indoor termination made of silicone rubber for connection to air insulated switchgear and transformers up to 12 kV.

- quick and easy assembly
- one-piece design with capacitive stress control system
- short body
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing



Properties:

Maximal system voltage	12 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	27 kV
Direct withstand voltage (DC, 15 min.)	36 kV
Impulse withstand voltage	75 kV
Thermal short-circuit 1s	18.5 kA, 150 ² Al
Dynamic short-circuit	45 kA, 150 ² Al
Humidity test	7.5 kV 300 h

Scope of delivery:

Terminations	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TI 12 incl. crimp type cable lugs for conductor and screening wires

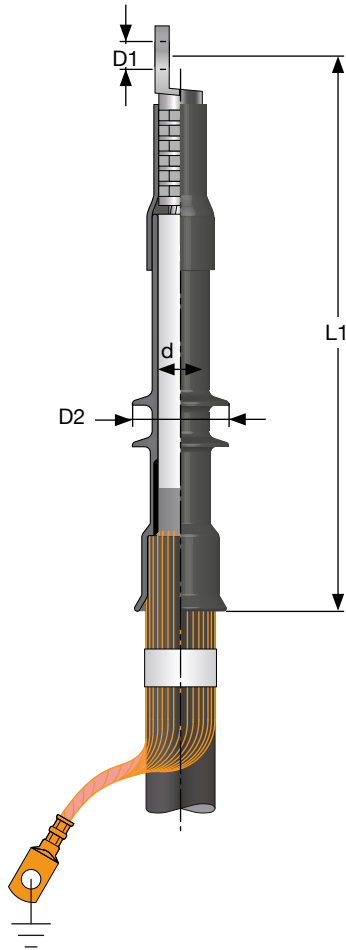
Cross section mm ²	Size of termination	Ø of core insulation (d) mm	Ref. No.				
			L1 mm	D1 mm	D2 mm		
16	1	11.8 – 16.3	195	13	39	26 291 50	26 291 00
25	2	12.7 – 19.2	195	13	39	26 291 51	26 291 01
35	2	12.7 – 19.2	195	13	39	26 291 52	26 291 02
50	2	12.7 – 19.2	190	13	39	26 291 53	26 291 03
70	2	12.7 – 19.2	190	13	39	26 291 54	26 291 04
95	3	17.0 – 28.4	215	13	43	26 291 55	26 291 05
120	3	17.0 – 28.4	220	13	43	26 291 56	26 291 06
150	3	17.0 – 28.4	220	13	43	26 291 57	26 291 07
185	3	17.0 – 28.4	220	17	43	26 291 58	26 291 08
240	3	17.0 – 28.4	220	17	43	-	26 291 09

For higher cross sections, please refer to the termination type TI 24 CA and TI 36 CA.

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Indoor Terminations



Application:

The TI 12 CA has an additional covering cap for sealing the cable lug. Therefore an assembling of large cross sections is possible.

- quick and easy assembly
- one-piece design with capacitive stress control system
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	12 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	27 kV
Direct withstand voltage (DC, 15 min.)	36 kV
Impulse withstand voltage	75 kV
Thermal short-circuit 1s	18.5 kA, 150 ² Al
Dynamic short-circuit	45 kA, 150 ² Al
Humidity test	7.5 kV 300 h

Scope of delivery:

Terminations	3
Covering caps	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TI 12 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
150	3	17.0 – 28.4	290 (Al). 260 (Cu)	13	43	26 287 55	26 287 07
185	3	17.0 – 28.4	290 (Al). 270 (Cu)	17	43	26 287 58	26 287 08
240	3	17.0 – 28.4	300 (Al). 270 (Cu)	17	43	26 287 59	26 287 09

TI 12 CA incl. screw type cable lugs for conductor and screening wires

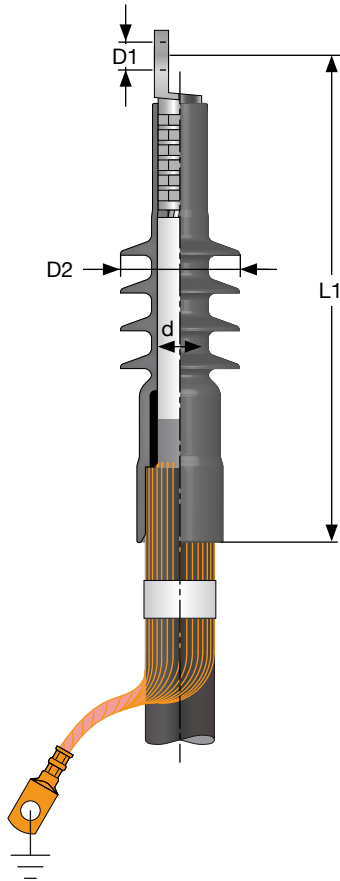
Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
50 – 70	2	12.7 – 19.2	235	13	39	26 287 88	
95 – 120/150 Al	3	17.0 – 28.4	275	13	43	26 287 89	
150 – 240	3	17.0 – 28.4	290	13	43	26 287 90	

For higher cross sections, please refer to the termination type TI 24 CA and TI 36 CA.

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Indoor Terminations



Application:

TI 24 is an indoor termination made of silicone rubber for connection to air insulated switchgear and transformers up to 24 kV.

- quick and easy assembly
- one-piece design with capacitive stress control system
- short body
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	24 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV
Thermal short-circuit 1s	18.5 kA, 150 ² Al
Dynamic short-circuit	45 kA, 150 ² Al
Humidity test	16 kV 300 h

Scope of delivery:

Terminations	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TI 24 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
240	5	21.2 – 34.6	260	17	60	26 563 59	26 563 09

TI 24 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
185 – 240	5	21.2 – 34.6	240	13	60	26 563 94	

Technical details for order for 12/20(24) kV cables

TI 24 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
25	3	17.0 – 25.0	250	13	55	26 302 51	26 302 01
35	3	17.0 – 25.0	250	13	55	26 302 52	26 302 02
50	3	17.0 – 25.0	250	13	55	26 302 53	26 302 03
70	3	17.0 – 25.0	250	13	55	26 302 54	26 302 04
95	5	21.2 – 34.6	250	13	60	26 563 55	26 302 05
120	5	21.2 – 34.6	255	13	60	26 563 56	26 302 06
150	5	21.2 – 34.6	260	13	60	26 563 57	26 563 07
185	5	21.2 – 34.6	260	17	60	26 563 58	26 563 08
240	5	21.2 – 34.6	260	17	60	26 563 59	26 563 09

TI 24 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
25 – 95	3	17.0 – 25.0	260	13	60	26 302 35	
95 – 240	5	21.2 – 34.6	280	13	60	26 563 94	

For higher cross sections, please refer to the termination type TI 24 CA and TI 36 CA.

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories

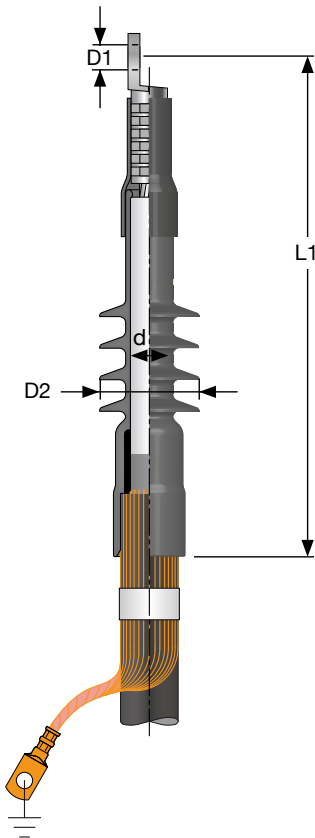


Indoor Terminations

Application:

The TI 24 CA has an additional covering cap for sealing the cable lug. Therefore an assembling of large cross sections is possible

- quick and easy assembly
- one-piece design with capacitive stress control system
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing



Properties:

Maximal system voltage	24 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV
Thermal short-circuit 1s	18.5 kA, 150^2 Al
Dynamic short-circuit	45 kA, 150^2 Al
Humidity test	16 kV 300 h

Scope of delivery:

Terminations	3
Covering caps	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TI 24 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
185	5	21.2 – 34.6	320 (Al). 300 (Cu)	17	60	26 399 78	26 399 28
240	5	21.2 – 34.6	330 (Al). 300 (Cu)	17	60	26 399 79	26 399 29
300	5	21.2 – 34.6	330 (Al). 310 (Cu)	17	60	26 399 80	26 399 30

TI 24 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
95 – 150	3	17.0 – 25.0	280	13	60	26 399 68	
185 – 240	5	21.2 – 34.6	290	13	60	26 399 90	
300	5	21.2 – 34.6	340	17	60	26 399 97	

Technical details for order for 12/20(24) kV cables

TI 24 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
95	5	21.2 – 34.6	305 (Al). 290 (Cu)	13	60	26 399 75	26 399 25
120	5	21.2 – 34.6	310 (Al). 290 (Cu)	13	60	26 399 76	26 399 26
150	5	21.2 – 34.6	320 (Al). 290 (Cu)	13	60	26 399 77	26 399 27
185	5	21.2 – 34.6	320 (Al). 300 (Cu)	17	60	26 399 78	26 399 28
240	5	21.2 – 34.6	330 (Al). 300 (Cu)	17	60	26 399 79	26 399 29
300	5	21.2 – 34.6	330 (Al). 310 (Cu)	17	60	26 399 80	26 399 30

TI 24 CA incl. screw type cable lugs for conductor and screening wires

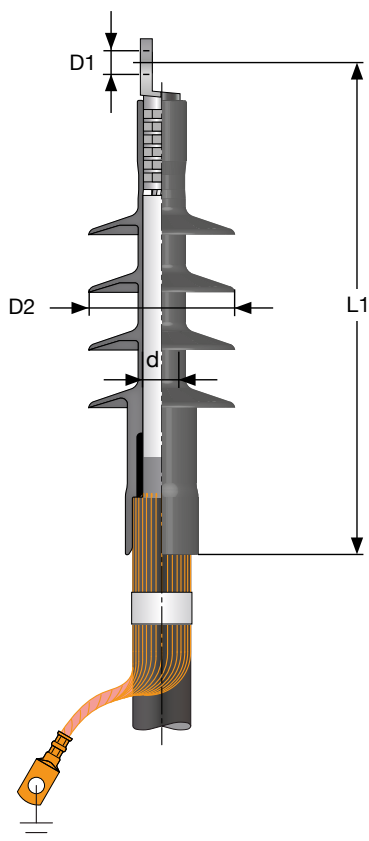
Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
25 – 95	3	17.0 – 25.0	295	13	39	26 399 94	
95 – 240	5	21.2 – 34.6	330	13	43	26 399 90	
240 – 300	5	21.2 – 34.6	340	17	43	26 399 97	

Indoor Terminations

Application:

TI 36 is an indoor termination made of silicone rubber for connection to air insulated switchgear and transformers up to 36 kV.

- quick and easy assembly
- one-piece design with capacitive stress control system
- short body
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing



Properties:

Maximal system voltage	36 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	81 kV
Direct withstand voltage (DC, 15 min.)	108 kV
Impulse withstand voltage	170 kV

Scope of delivery:

Terminations	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 18/30(36) kV cables

TI 36 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
95	5	21.2 – 34.6	310	13	90	26 392 55	26 392 05
120	5	21.2 – 34.6	315	13	90	26 392 56	26 392 06
150	27	28.9 – 43.0	370	13	90	26 392 67	26 392 17
185	27	28.9 – 43.0	370	17	90	26 392 68	26 392 18
240	27	28.9 – 43.0	370	17	90	26 392 69	26 392 19

TI 36 incl. screw type cable lugs for conductor and screening wires

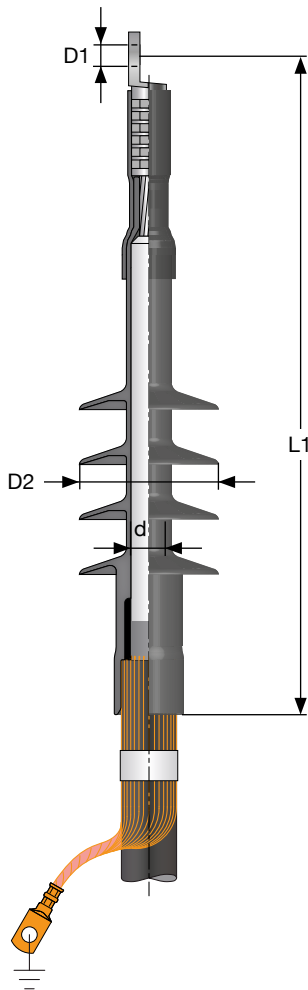
Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
50 – 95	5	21.2 – 34.6	310	13	90	26 392 80	
50 – 120/150 Al	5	21.2 – 34.6	330	13	90	26 392 81	

For higher cross sections, please refer to the termination type TI 36 CA.

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Indoor Terminations



Application:

The TI 36 CA has an additional covering cap for sealing the cable lug. Therefore an assembling of large cross sections is possible.

- quick and easy assembly
- one-piece design with capacitive stress control system
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	36 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	81 kV
Direct withstand voltage (DC, 15 min.)	108 kV
Impulse withstand voltage	170 kV

Scope of delivery:

Terminations	3
Covering caps	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TI 36 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
400	27	28.9 – 43.0	470 (AL). 450 (Cu)	17	90	26 447 61	26 447 11
500	27	28.9 – 43.0	480 (AL). 470 (Cu)	17	90	26 447 62	26 447 12
630	27	28.9 – 43.0	490 (AL). 480 (Cu)	17	90	–	26 447 13

TI 36 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
400	27	28.9 – 43.0	470	17	90	26 447 92	

Technical details for order for 12/20(24) kV cables

TI 36 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
300	27	28.9 – 43.0	460 (AL). 440 (Cu)	17	90	26 447 60	26 447 10
400	27	28.9 – 43.0	470 (AL). 450 (Cu)	17	90	26 447 61	26 447 11
500	27	28.9 – 43.0	480 (AL). 470 (Cu)	17 (Al).	90	26 447 62	26 447 12
500	27	28.9 – 43.0	480 (AL). 470 (Cu)	21 (Cu)	90	26 447 62	26 447 12

TI 36 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
300	27	28.9 – 43.0	470	17	90	26 447 91	
300 – 400	27	28.9 – 43.0	470	17	90	26 447 92	

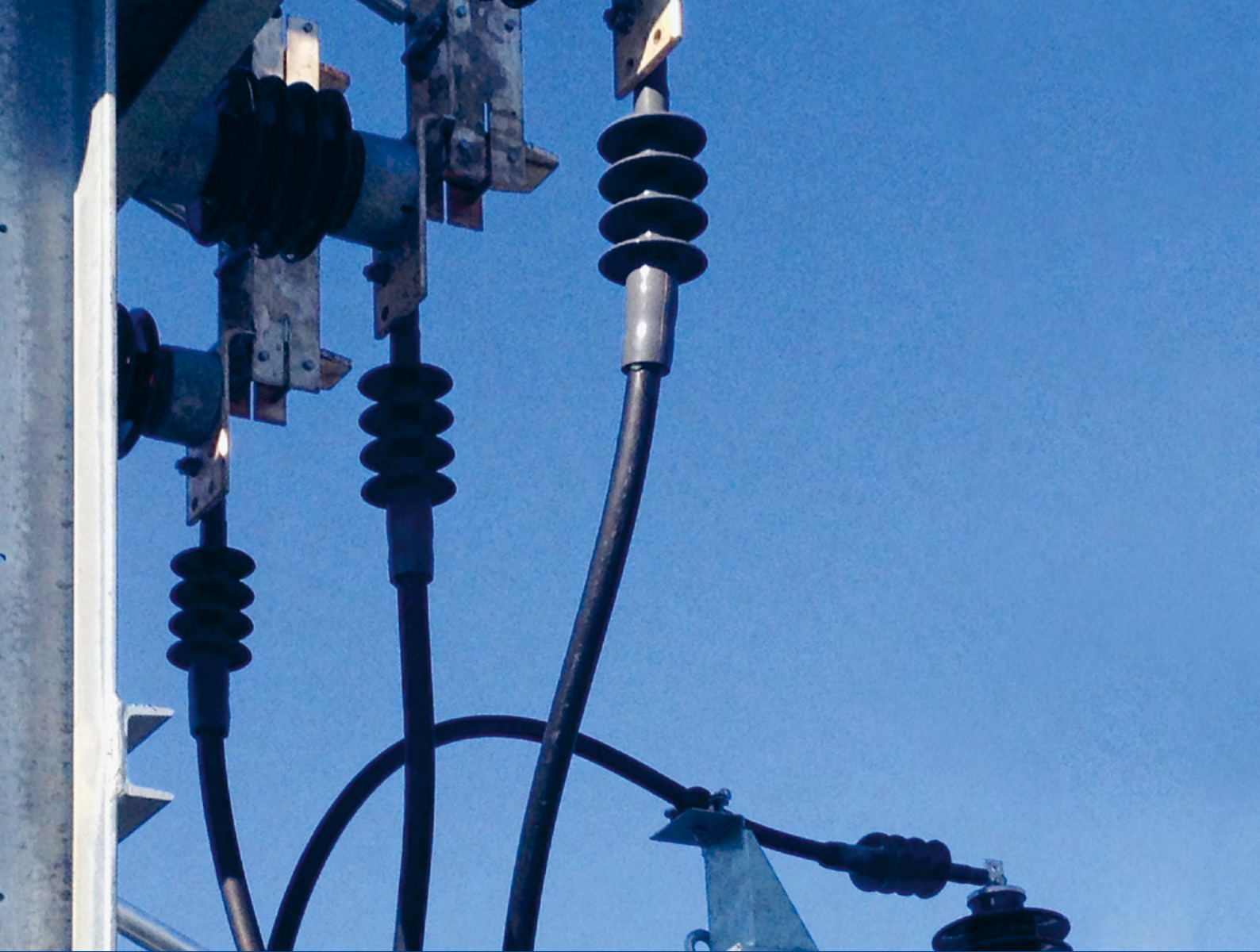
Technical details for order for 18/30(36) kV cables

TI 36 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
240	27	28.9 – 43.0	460 (AL). 430 (Cu)	17	90	26 447 59	26 447 09
300	27	28.9 – 43.0	460 (AL). 440 (Cu)	17	90	26 447 60	26 447 10
400	27	28.9 – 43.0	470 (AL). 450 (Cu)	17	90	26 447 61	26 447 11
500	Upon request (= AV 30 E)						

TI 36 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
150 – 240	27	28.9 – 43.0	460	13	90	26 447 88	
150 – 300	27	28.9 – 43.0	470	17	90	26 447 91	
185 – 400	27	28.9 – 43.0	470	17	90	26 447 92	
185 – 400	27	28.9 – 43.0	470	13	90	26 447 98	



Outdoor Terminations

Terminations

Terminations for medium voltage cables are necessary to connect the cables with air insulates switchgears, transformers, overhead lines or busbars. While the indoor termination is located in dry air, the outdoor termination is exposed to outdoor condition. Therefore, special measures are to implement: the outdoor termination consist of larger sheds, and the cable lug must be tin plated, to prevent high chemical voltages.

TI = Termination Indoor
TO = Termination Outdoor
TC = Termination Cold shrink

The assembly position of outdoor terminations should be vertical, but maximal 90 degree. Indoor terminations can be mounted in all positions.

The reference numbers of the terminations refer to cables according to VDE 0276-620, with solid extruded outer conductive layer and copper wire screen. For different cable types, we have a wide variety of accessories. Please give the cable data sheet in your order. In the appendix of this catalogue, you can find a cable data form, wherewith you easy can describe your cable. For installing of the accessories include crimp type cable lugs, crimping tools with die codes according to DIN 48083 part 4 have to be used.

For the termination, draw attention to minimum clearances according to EN 61936-1 (VDE 0101-1):2011-11

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories

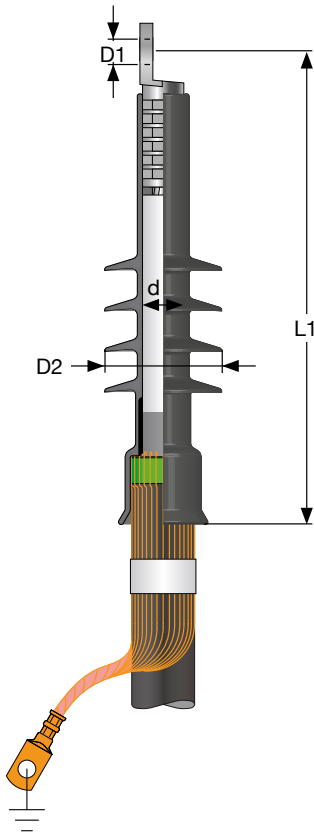


Outdoor Terminations

Application:

TO 12 is an outdoor termination made of silicone rubber for overhead link and other outdoor applications up to 12 kV.

- quick and easy assembly
- one-piece design with capacitive stress control system
- short body
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing



Properties:

Maximal system voltage	12 kV
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	27 kV
Direct withstand voltage (DC, 15 min.)	36 kV
Impulse withstand voltage	75 kV
Electrical heat cycling in air/water	15 kV / 42 Days
Thermal short-circuit 1s	18.5 kA, 150 ² Al
Dynamic short-circuit	45 kA, 150 ² Al
Salt fog test	7.5 kV 300 h

Scope of delivery:

Terminations	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TO 12 incl. crimp type cable lugs for conductor and screening wires

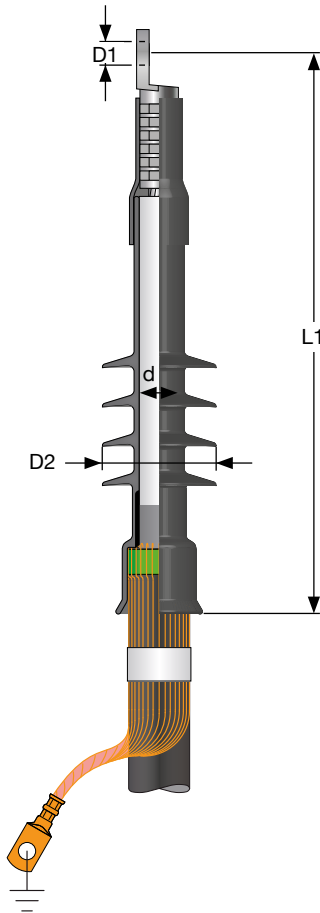
Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
95	3	17.0 – 28.4	270	13	60	26 292 55	26 292 05
120	3	17.0 – 28.4	275	13	60	26 292 56	26 292 06
150	3	17.0 – 28.4	280	13	60	26 292 57	26 292 07
185	3	17.0 – 28.4	280	17	60	26 292 58	26 292 08
240	3	17.0 – 28.4	280	17	60	–	26 292 09

For higher cross sections, please refer to the termination type TO 24 CA and TO 36 CA.

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Outdoor Terminations



Application:

The TO 12 CA has an additional covering cap for sealing the cable lug. Therefore an assembling of large cross sections is possible.

- quick and easy assembly
- one-piece design with capacitive stress control system
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	12 kV
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	27 kV
Direct withstand voltage (DC, 15 min.)	36 kV
Impulse withstand voltage	75 kV
Electrical heat cycling in air/water	15 kV / 42 Days
Thermal short-circuit 1s	18.5 kA, 150 ² Al
Dynamic short-circuit	45 kA, 150 ² Al
Salt fog test	7.5 kV 300 h

Scope of delivery:

Terminations	3
Covering caps	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

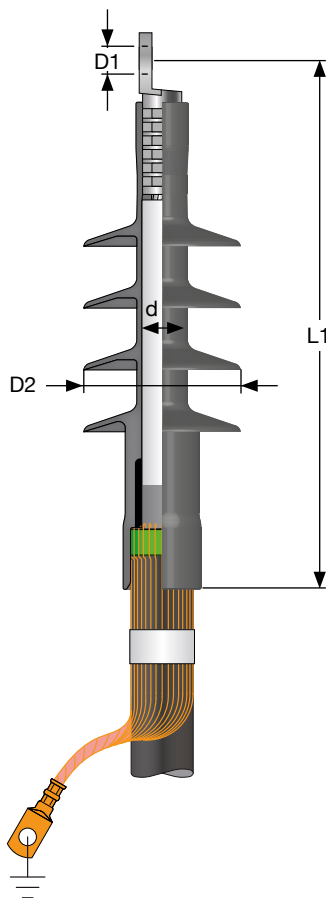
TO 12 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.
mm ²		mm	mm	mm	mm	
95 – 120/150 Al	3	17.0 – 28.4	335	13	60	26 292 83
150 – 240	3	17.0 – 28.4	350	13	60	26 292 84

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Outdoor Terminations



Application:

TO 24 is an outdoor termination made of silicone rubber for overhead link and other outdoor applications up to 24 kV.

- quick and easy assembly
- one-piece design with capacitive stress control system
- short body
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	24 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV
Electrical heat cycling in air/water	32 kV / 42 Days
Thermal short-circuit 1s	18.5 kA, 150 ² AI
Dynamic short-circuit	47 kA, 150 ² AI
Salt fog test	16 kV 1000 h

Scope of delivery:

Terminations	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TO 24 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.
mm ²		mm	mm	mm	mm	
185 – 240	5	21.2 – 34.6	335	13	90	26 595 03

Technical details for order for 12/20(24) kV cables

TO 24 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
25	3	17.0 – 25.0	330	13	90	26 303 51	26 303 01
35	3	17.0 – 25.0	330	13	90	26 303 52	26 303 02
50	3	17.0 – 25.0	330	13	90	26 303 53	26 303 03
70	3	17.0 – 25.0	330	13	90	26 303 54	26 303 04
95	5	21.2 – 34.6	310	13	90	26 303 55	26 303 05
120	5	21.2 – 34.6	315	13	90	26 303 56	26 303 06
150	5	21.2 – 34.6	320	13	90	26 303 57	26 303 07
185	5	21.2 – 34.6	320	17	90	26 303 58	26 303 08
240	5	21.2 – 34.6	320	17	90	–	26 303 09

TO 24 incl. screw type cable lugs for conductor and screening wires

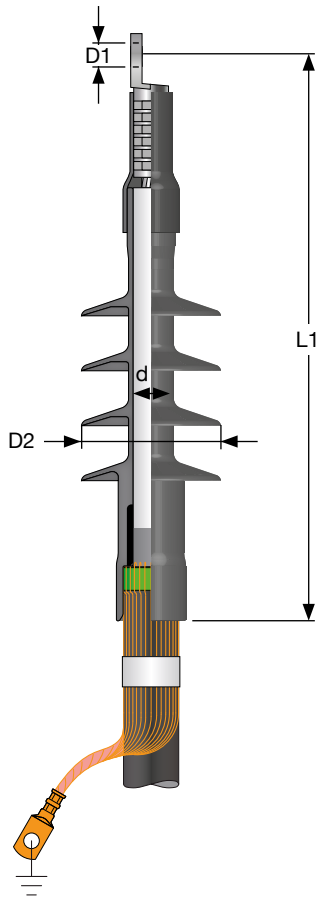
Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.
mm ²		mm	mm	mm	mm	
35 – 95	3	17.0 – 25.0	330	13	90	26 595 02
95 – 240	5	21.2 – 34.6	335	13	90	26 595 03

For higher cross sections, please refer to the termination type TO 24 CA and TO 36 CA.

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Outdoor Terminations



Application:

The TO 24 CA has an additional covering cap for sealing the cable lug. Therefore an assembling of large cross sections is possible.

- quick and easy assembly
- one-piece design with capacitive stress control system
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	24 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV
Electrical heat cycling in air/water	32 kV / 42 Days
Thermal short-circuit 1s	18.5 kA, 150 ² Al
Dynamic short-circuit	47 kA, 150 ² Al
Salt fog test	16 kV 1000 h

Scope of delivery:

Terminations	3
Covering caps	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TO 24 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
95	3	17.0 – 25.0	375 (Al). 360 (Cu)	13	90	26 303 43	26 303 16
120	3	17.0 – 25.0	380 (Al). 360 (Cu)	13	90	26 303 44	26 303 17
150	3	17.0 – 25.0	375 (Al). 345 (Cu)	13	90	26 303 45	26 303 18
185	3	17.0 – 25.0	380 (Al). 355 (Cu)	17	90	26 303 78	26 303 28
240	5	21.2 – 34.6	380 (Al). 345 (Cu)	17	90	26 303 79	26 303 29
300	5	21.2 – 34.6	380 (Al). 360 (Cu)	17	90	26 303 80	26 303 30
400	27	28.9 – 43.0	430 (Al). 410 (Cu)	17	90	26 558 61	26 558 11
500	27	28.9 – 43.0	440 (Al). 430 (Cu)	17 (Al)	90	26 558 62	26 558 12
630	27	28.9 – 43.0	450 (Al). 440 (Cu)	21 (Cu)	90	–	26 558 13

TO24 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
95 – 150	3	17.0 – 25.0	345	13	90	26 595 06	
185 – 240	5	21.2 – 34.6	360	13	90	26 595 04	
300	5	21.2 – 34.6	385	17	90	26 595 07	
400 Al	27	28.9 – 43.0	465	17	90	26 558 92	

Technical details for order for 12/20(24) kV cables

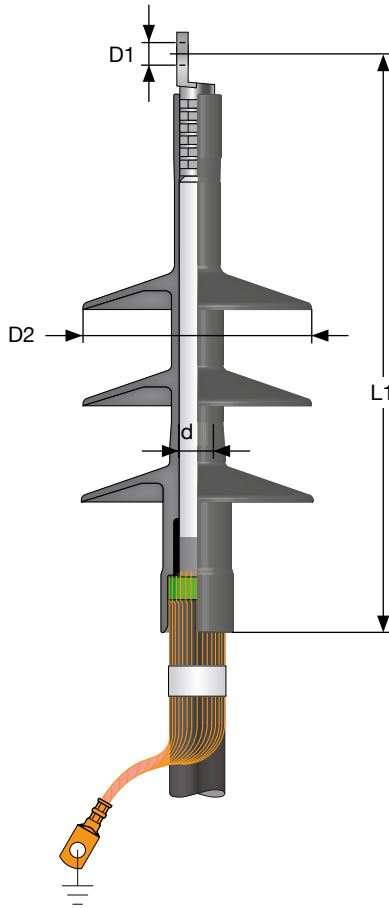
TO 24 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
50	3	17.0 – 25.0	365 (Al). 345 (Cu)	13	90	26 303 41	26 303 14
70	3	17.0 – 25.0	375 (Al). 350 (Cu)	13	90	26 303 42	26 303 15
95	3	17.0 – 25.0	375 (Al). 360 (Cu)	13	90	26 303 43	26 303 16
95	5	21.2 – 34.6	375 (Al). 360 (Cu)	13	90	26 303 75	26 303 25
120	5	21.2 – 34.6	380 (Al). 360 (Cu)	13	90	26 303 76	26 303 26
150	5	21.2 – 34.6	375 (Al). 345 (Cu)	13	90	26 303 77	26 303 27
185	5	21.2 – 34.6	380 (Al). 345 (Cu)	17	90	26 303 78	26 303 28
240	5	21.2 – 34.6	380 (Al). 345 (Cu)	17	90	26 303 79	26 303 29
300	5	21.2 – 34.6	380 (Al). 360 (Cu)	17	90	26 303 80	26 303 30
300	27	28.9 – 43.0	425 (Al). 405 (Cu)	17	90	26 558 60	26 558 10
400	27	28.9 – 43.0	435 (Al). 415 (Cu)	17	90	26 558 61	26 558 11
500	27	28.9 – 43.0	440 (Al). 430 (Cu)	17 (Al)	90	26 558 62	26 558 12
500	27	28.9 – 43.0	440 (Al). 430 (Cu)	21 (Cu)	90	26 558 62	26 558 12

TO24 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
50 – 95	3	17.0 – 25.0	365	13	90	26 595 01	
95 – 240	5	21.2 – 34.6	375 – 400	13	90	26 595 04	
240 – 300	5	21.2 – 34.6	385	17	90	26 595 07	
300 – 400	27	28.9 – 43.0	470	17	90	26 558 92	

Outdoor Terminations



Application:

TO 36 is an outdoor termination made of silicone rubber for overhead link and other outdoor applications up to 42 kV.

- quick and easy assembly
- one-piece design with capacitive stress control system
- short body
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	42 kV
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	94 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV
Electrical heat cycling in air/water	50 kV / 42 Days
Thermal short-circuit 1s	33.8 kA, 150 ² AI
Dynamic short-circuit	100 kA, 150 ² AI
Salt fog test	26 kV 1000 h

Scope of delivery:

Terminations	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 18/30(36) kV cables

TO 36 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
25	3	17.0 – 25.0	max. 430	13	90	26 446 61	26 446 11
35	3	17.0 – 25.0	max. 430	13	90	26 446 62	26 446 12
50	3	17.0 – 25.0	max. 430	13	90	26 446 63	26 446 13
50	20	21.2 – 34.6	380	13	156	26 446 53	26 446 03
70	20	21.2 – 34.6	380	13	156	26 446 54	26 446 04
95	20	21.2 – 34.6	380	13	156	26 446 55	26 446 05
120	20	21.2 – 34.6	380	13	156	–	–
150	27	28.9 – 43.0	390	17	156	26 446 57	26 446 07
185	27	28.9 – 43.0	390	17	156	26 446 58	26 446 08
240	27	28.9 – 43.0	390	17	156	26 446 59	26 446 09

TO36 incl. screw type cable lugs for conductor and screening wires

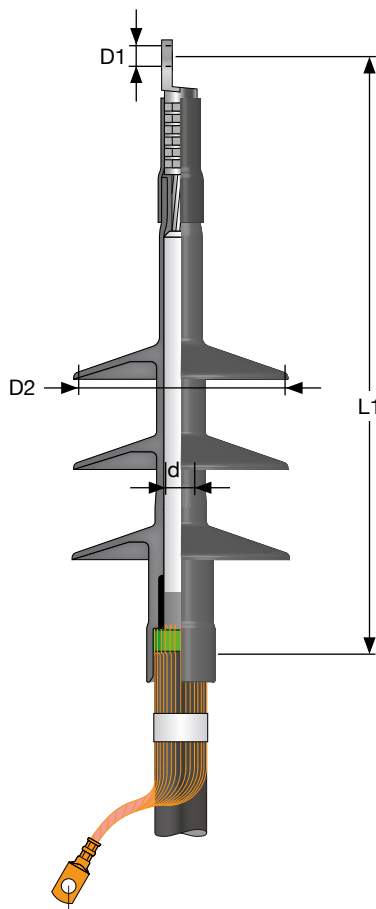
Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
150 – 240	27	28.9 – 43.0	390	13	156	26 446 95	

For higher cross sections, please refer to the termination type TO 36 CA.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Outdoor Terminations



Application:

The TO 36 CA has an additional covering cap for sealing the cable lug. Therefore an assembling of large cross sections is possible.

- quick and easy assembly
- one-piece design with capacitive stress control system
- long creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	42 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	94 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV
Electrical heat cycling in air/water	50 kV / 42 Days
Thermal short-circuit 1s	33.8 kA, 150 ² Al
Dynamic short-circuit	100 kA, 150 ² Al
Salt fog test	26 kV 1000 h

Scope of delivery:

Terminations	3
Covering caps	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

TO 36 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
400	27	28.9 – 43.0	495 (Al). 475 (Cu)	17	156	26 445 61	26 445 11
500	27	28.9 – 43.0	490 (Al). 480 (Cu)	17 (Al)	156	26 445 62	26 445 12
500	27	28.9 – 43.0	490 (Al). 480 (Cu)	21 (Cu)	156	26 445 62	26 445 12
630	27	28.9 – 43.0	480 (Cu)	21	156	–	26 445 13

TO 36 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
400	27	28.9 – 43.0	495	17	156	26 445 92	

Technical details for order for 12/20(24) kV cables

TO 36 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
300	27	28.9 – 43.0	495 (Al). 475 (Cu)	17	156	26 445 60	26 445 10
400	27	28.9 – 43.0	485 (Al). 465 (Cu)	17	156	26 445 61	26 445 11
500	27	28.9 – 43.0	480 (Al). 470 (Cu)	17 (Al)	156	26 445 62	26 445 12
500	27	28.9 – 43.0	480 (Al). 470 (Cu)	21 (Cu)	156	26 445 62	26 445 12

TO 36 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
300	27	28.9 – 43.0	500	17	156	26 445 91	
300 – 400	27	28.9 – 43.0	500	17	156	26 445 92	

Technical details for order for 18/30(36) kV cables

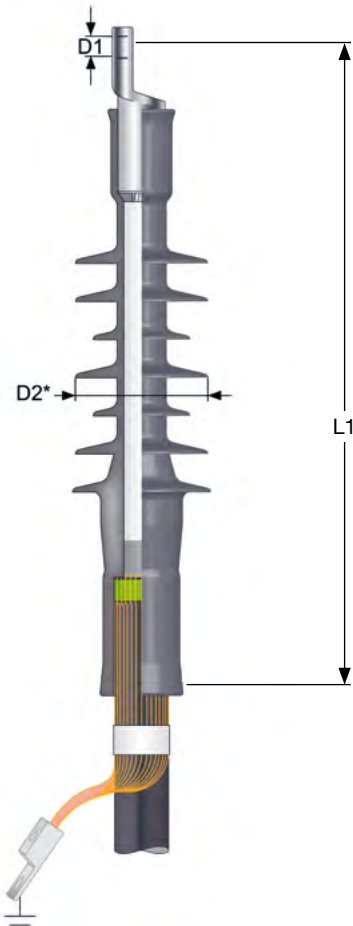
TO 36 CA incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm	Al	Cu
240	27	28.9 – 43.0	470 (Al). 435 (Cu)	17	156	26 445 59	26 445 09
300	27	28.9 – 43.0	465 (Al). 445 (Cu)	17	156	26 445 60	26 445 10
400	27	28.9 – 43.0	475 (Al). 455 (Cu)	17	156	26 445 61	26 445 11

TO 36 CA incl. screw type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.	
mm ²		mm	mm	mm	mm		
50 – 150 Al	20	21.2 – 34.6	460	13	156	26 445 84	
50 – 120 Cu	20	21.2 – 34.6	460	13	156	26 445 84	
150 – 240	27	28.9 – 43.0	~465	13	156	26 445 89	
150 – 300	27	28.9 – 43.0	~470	17	156	26 445 91	
185 – 400	27	28.9 – 43.0	~470	17	156	26 445 92	

Outdoor Terminations



Application:

The coldshrink termination TC is made of silicone rubber for connection of all indoor and outdoor applications. The pre-moulded geometric field control element is independent from system frequency and harmonic content. All components are tested up to voltage level 36 kV.

- quick and easy assembly
- pre-expanded termination body on a patented spiral support pipe
- creepage distance by optimized shed arrangement
- use of various cable lug types
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	36 kV
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	85,5 kV
Impulse withstand voltage	194 kV
Electrical heat cycling in air	47,5 kV / 126 Zyklen
Salt fog test	24 kV 1000 h
Creepage distance TC size E	738 mm
Creepage distance TC size F	738 mm
Creepage distance TC size H	757 mm

Technical details for order for 6/10(12) kV cables

TC incl. shear bolt type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.
mm ²		mm	mm	mm	mm	Al Cu
400	E	28.9 – 42.8	max. 460	17	90	26 68173
630	F	34.1 – 50.0	max. 500	21	95	26 68182
800	F	34.1 – 50.0	max. 500	21	95	26 68182
1000	H	44.6 – 66.6	max. 520	17	110	26 68186

Technical details for order for 12/20(24) kV cables

TC incl. shear bolt type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.
mm ²		mm	mm	mm	mm	Al Cu
240 RM	E	28.9 – 42.9	max. 460	13	90	26 681 71
240 RM – 300	E	28.9 – 42.9	max. 460	17	90	26 681 72
240 RM – 400	E	28.9 – 42.9	max. 460	17	90	26 681 73
400 RM	F	34.1 – 50.0	max. 500	17	95	26 681 81
400 RM – 630	F	34.1 – 50.0	max. 500	21	95	26 681 82
630 RM – 1000	H	44.6 – 66.6	max. 520	17	110	26 681 86

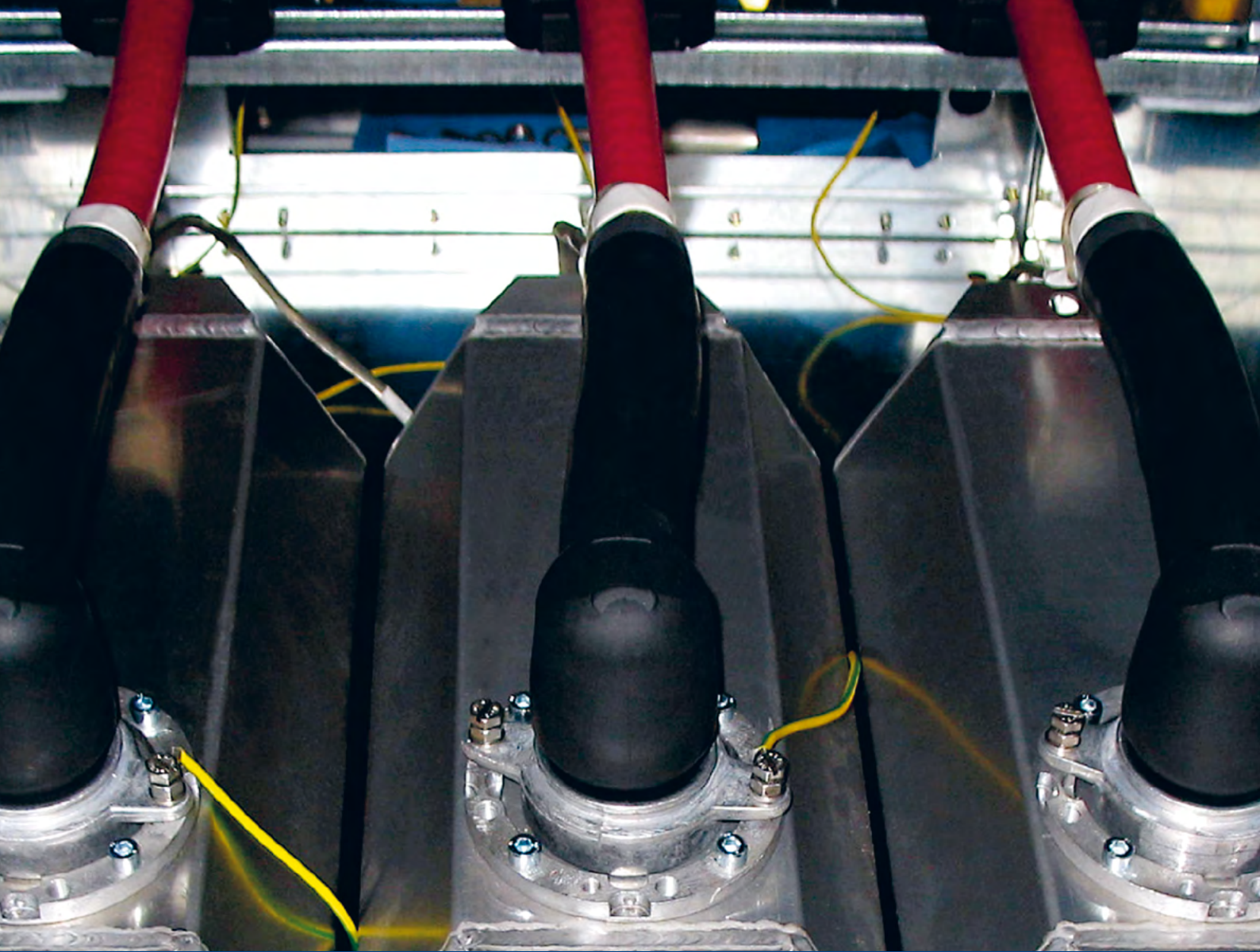
Technical details for order for 19/33(36) kV cables

TC incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of termination	Ø of core insulation (d)	L1	D1	D2	Ref. No.
mm ²		mm	mm	mm	mm	Al Cu
150 – 240	E	28.9 – 42.9	max. 460	13	90	26 681 71
150 – 300	E	28.9 – 42.9	max. 460	17	90	26 681 72
185 – 400	E	28.9 – 42.9	max. 460	17	90	26 681 73
300 – 400	F	34.1 – 50.0	max. 500	17	95	26 681 81
400 – 630	F	34.1 – 50.0	max. 500	21	95	26 681 82
630 RM – 1000	H	44.6 – 66.6	max. 520	17	110	26 681 86

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories





Cable Connectors for Bushings Type A and B

Cable Connectors for Bushings Type A and B

Bushings type A or B sometimes known as 250 A or 400 A bushing according to EN 50180 and EN 50181. They are used to connect the cables with transformers or SF6-switchgears. The bushings consists of a plug contact, so additional fastening methods for the connectors are necessary

CE = Connector **E**lbow
CB = Connector **B**ranch
EASG = Straight connector

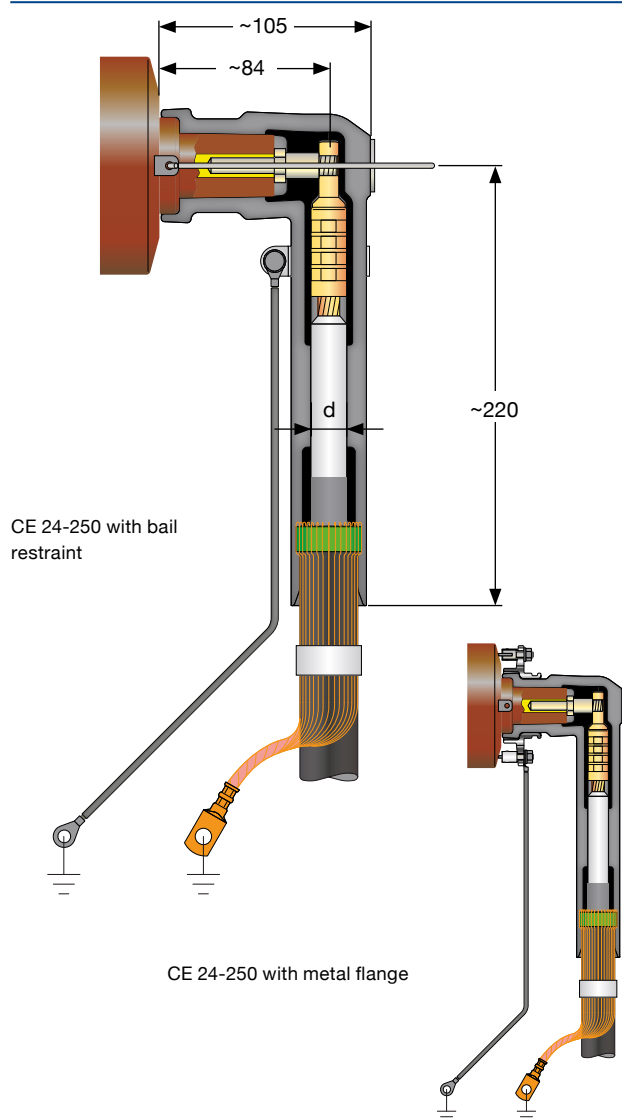
The reference numbers of the connectors refer to cables according to VDE 0276-620, with solid extruded outer conductive layer and copper wire screen.

For different cable types, we have a wide variety of accessories. Please give the cable data sheet in your order. In the appendix of this catalogue, you can find a cable data form, wherewith you easy can describe your cable. For installing of the accessories include crimp type cable lugs, crimping tools with die codes according to DIN 48083 part 4 have to be used.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Elbow Connectors



Application:

CE 24-250 is an elbow connector made of silicone rubber for connection to switchgears and transformers up to 24 kV with bushings type A (250 A) according to EN 50180 and EN 50181.

- Fastening with bail restraint or metal flange
- quick and easy assembly
- screening by outer conductive layer
- integrated stress control system
- cable sheath testing without dismantling of connector
- only one size covering the application range 25 – 95 mm² / 24 kV
- optional capacitive measuring point

For 6/10(12) kV cables up to 70 mm² the elbow connector type EASW 10/250 is available

Properties:

Maximal system voltage	24 kV
Continuous nominal current	250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CE 24-250 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No. with bail restraint				Ref. No. with metal flange				
			without measuring point		with measuring point		without measuring point		with measuring point		
			Al	Cu	Al	Cu	Al	Cu	Al	Cu	
mm ²		mm									
95	16	16.9 – 25.0	26 364 55	26 364 05	26 366 55	26 366 05	26 402 55	26 402 05	26 404 55	26 404 05	
120	16	16.9 – 25.0	26 364 56	26 364 06	26 366 56	26 366 06	26 402 56	26 402 06	26 404 56	26 404 06	

CE 24-250 incl. screw type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No. with bail restraint		Ref. No. with metal flange	
			without measuring point	with measuring point	without measuring point	with measuring point
mm ²		mm				
95	16	16.9 – 25.0	26 364 93	26 366 94	26 402 95	on request

Technical details for order for 12/20(24) kV cables

CE 24-250 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No. with bail restraint				Ref. No. with metal flange			
			without measuring point		with measuring point		without measuring point		with measuring point	
			Al	Cu	Al	Cu	Al	Cu	Al	Cu
mm ²		mm								
25	16	16.9 – 25.0	26 364 51	26 364 01	26 366 51	26 366 01	26 402 51	26 402 01	26 404 51	26 404 01
35	16	16.9 – 25.0	26 364 52	26 364 02	26 366 52	26 366 02	26 402 52	26 402 02	26 404 52	26 404 02
50	16	16.9 – 25.0	26 364 53	26 364 03	26 366 53	26 366 03	26 402 53	26 402 03	26 404 53	26 404 03
70	16	16.9 – 25.0	26 364 54	26 364 04	26 366 54	26 366 04	26 402 54	26 402 04	26 404 54	26 404 04
95	16	16.9 – 25.0	26 364 55	26 364 05	26 366 55	26 366 05	26 402 55	26 402 05	26 404 55	26 404 05

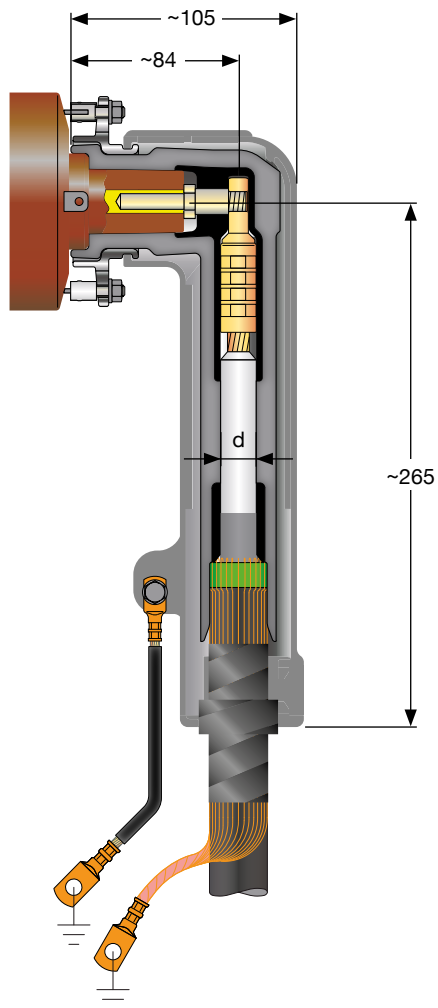
CE 24-250 incl. screw type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No. with bail restraint		Ref. No. with metal flange	
			without measuring point	with measuring point	without measuring point	with measuring point
mm ²		mm				
25 – 95	16	16.9 – 25.0	26 364 93	26 366 94	26 402 95	on request

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Elbow Connectors with Metal Housing



Application:

CE 24-250 is an Elbow Connector made of silicone rubber for connection to switchgears and transformers up to 24 kV with bushings type A (250 A) according to EN 50180 and EN 50181.

- quick and easy assembly
- screening by outer conductive layer
- integrated stress control system
- cable sheath testing without dismantling of connector
- only one size covering the application range
25 – 95 mm² / 24 kV
- mechanical protection by metal housing

Properties:

Maximal system voltage	24 kV
Continuous nominal current	250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Metal housing	
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CE 24-250 with metal housing, incl. crimp type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	16	16.9 – 25.0	26 401 55	26 401 05
120	16	16.9 – 25.0	26 401 56	26 401 06

CE 24-250 with metal housing, incl. screw type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	16	16.9 – 25.0	26 401 99	

Technical details for order for 12/20(24) kV cables

CE 24-250 with metal housing, incl. crimp type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	16	16.9 – 25.0	26 401 51	26 401 01
35	16	16.9 – 25.0	26 401 52	26 401 02
50	16	16.9 – 25.0	26 401 53	26 401 03
70	16	16.9 – 25.0	26 401 54	26 401 04
95	16	16.9 – 25.0	26 401 55	26 401 05

CE 24-250 with metal housing, incl. screw type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25 – 95	16	16.9 – 25.0	26 401 99	

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories

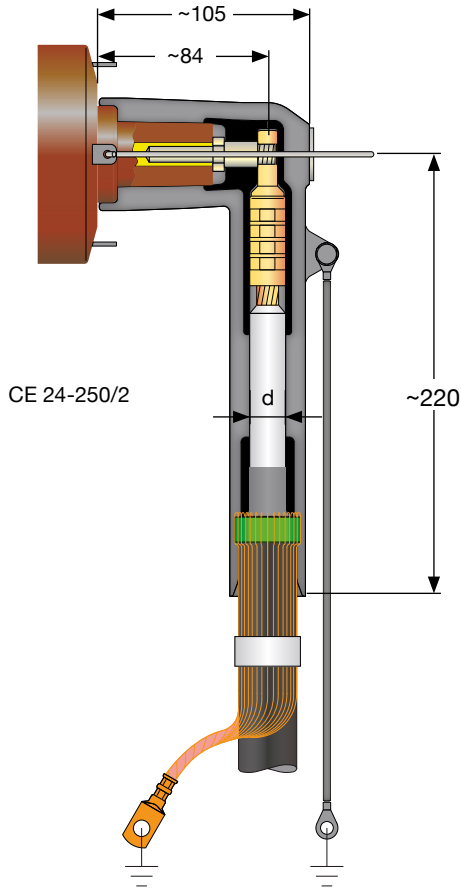


Elbow Connectors

Application:

CE 24-250/2 is an elbow connector made of silicone rubber for connection to switchgears and transformers up to 24 kV with bushings type A (250 A) according to EN 50180 and EN 50181.

- Fastening with bail restraint
- quick and easy assembly
- screening by outer conductive layer
- integrated stress control system
- cable sheath testing without dismantling of connector
- only one size covering the application range 25 – 95 mm² / 24 kV
- Earthing strand is mounted on the connector in the factory



Properties:

Maximal system voltage	24 kV
Continuous nominal current	250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CE 24-250 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	16	16.9 – 25.0	26 756 55	26 756 05
120	16	16.9 – 25.0	26 756 56	26 756 06

CE 24-250 incl. screw type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	16	16.9 – 25.0	26 756 93	

Technical details for order for 12/20(24) kV cables

CE 24-250 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	16	16.9 – 25.0	26 756 51	26 756 01
35	16	16.9 – 25.0	26 756 52	26 756 02
50	16	16.9 – 25.0	26 756 53	26 756 03
70	16	16.9 – 25.0	26 756 54	26 756 04
95	16	16.9 – 25.0	26 756 55	26 756 05

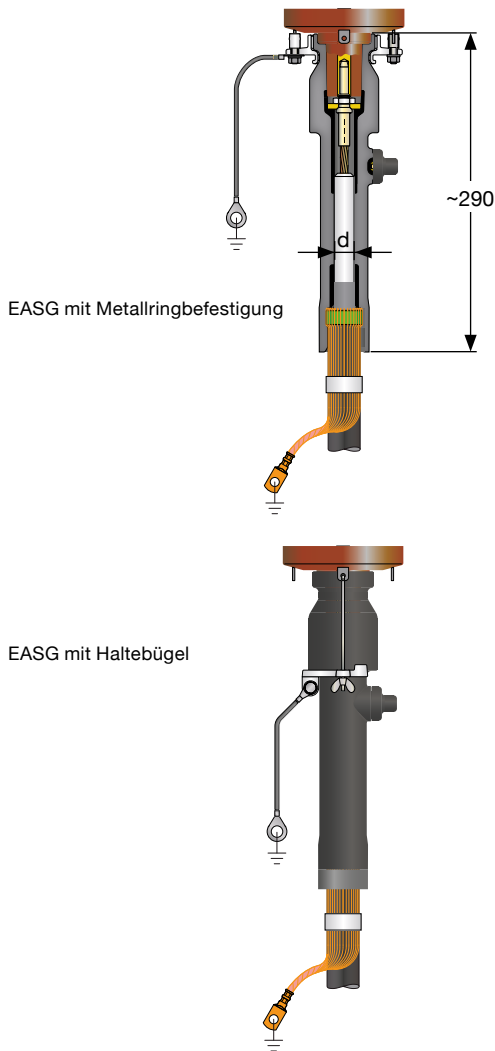
CE 24-250 incl. screw type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25 – 95	16	16.9 – 25.0	26 756 93	

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Straight Connectors



Application:

EASG 20/250 is a straight connector made of silicone rubber for connection to switchgears and transformers up to 24 kV with bushings type A (250 A) according to EN 50180 and EN 50181.

- quick and easy assembly
- screening by outer conductive layer
- integrated stress control system
- cable sheath testing without dismantling of connector
- only one size covering the application range 25 – 95 mm² / 24 kV
- capacitive measuring point

Properties:

Maximal system voltage	24 kV
Continuous nominal current	250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

EASG 10/250, incl. crimp type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No. with bail restraint		Ref. No. with metal flange	
			with measuring point		with measuring point	
mm ²		mm	Al	Cu	Al	Cu
95	3	17.0 – 25.0	26 263 55	26 263 05	26 263 65	26 263 15

EASG 10/250, incl. screw type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No. with bail restraint		Ref. No. with metal flange	
			with measuring point		with measuring point	
mm ²		mm	Al	Cu	Al	Cu
95	3	17.0 – 25.0	26 263 86		26 263 87	

Technical details for order for 12/20(24) kV cables

EASG 20/250, incl. crimp type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No. with bail restraint and measuring point		Ref. No. with metal flange and measuring point	
			Al	Cu	Al	Cu
mm ²		mm	Al	Cu	Al	Cu
25	3	17.0 – 25.0	26 263 51	26 263 01	26 263 61	26 263 11
35	3	17.0 – 25.0	26 263 52	26 263 02	26 263 62	26 263 12
50	3	17.0 – 25.0	26 263 53	26 263 03	26 263 63	26 263 13
70	3	17.0 – 25.0	26 263 54	26 263 04	26 263 64	26 263 14
95	3	17.0 – 25.0	26 263 55	26 263 05	26 263 65	26 263 15

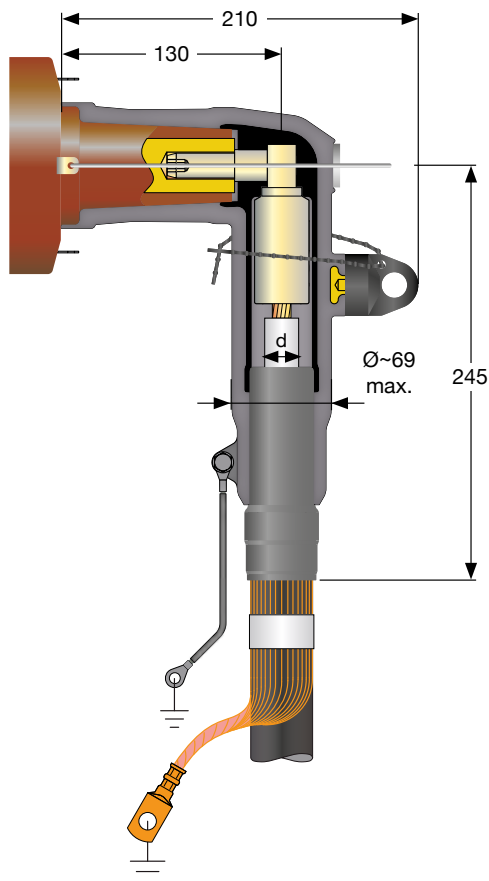
EASG 20/250, incl. screw type cable lugs for conductor and screening wires

Cross section	Size	Ø of core insulation (d)	Ref. No. with bail restraint and measuring point		Ref. No. with metal flange and measuring point	
			Al	Cu	Al	Cu
mm ²		mm	Al	Cu	Al	Cu
25 – 95	3	17.0 – 25.0	26 263 86		26 263 87	

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Elbow Connectors



Application:

CE 24-400 is an elbow connector made of silicone rubber for connection to switchgears and transformers up to 24 kV with bushings type B (400 A) according to EN 50180 and EN 50181.

- quick and easy assembly
- screening by outer conductive layer
- integrated stress control system
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point

Properties:

Maximal system voltage	24 kV
Continuous nominal current	400 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CE 24-400 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
25 – 95	02	12.7 – 25.0	26 416 81
95 – 240	23	17.0 – 32.6	26 416 82
185 – 240	03	21.2 – 34.6	26 416 83

Technical details for order for 12/20(24) kV cables

CE 24-400 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	02	12.7 – 25.0	26 416 51	26 416 01
35	02	12.7 – 25.0	26 416 52	26 416 02
50	02	12.7 – 25.0	26 416 53	26 416 03
70	02	12.7 – 25.0	26 416 54	26 416 04
95	03	21.2 – 34.6	26 416 55	26 416 05
120	03	21.2 – 34.6	26 416 56	26 416 06
150	03	21.2 – 34.6	26 416 57	26 416 07
185	03	21.2 – 34.6	26 416 58	26 416 08
240	03	21.2 – 34.6	26 416 59	26 416 09
300	03	21.2 – 34.6	26 416 60	26 416 10

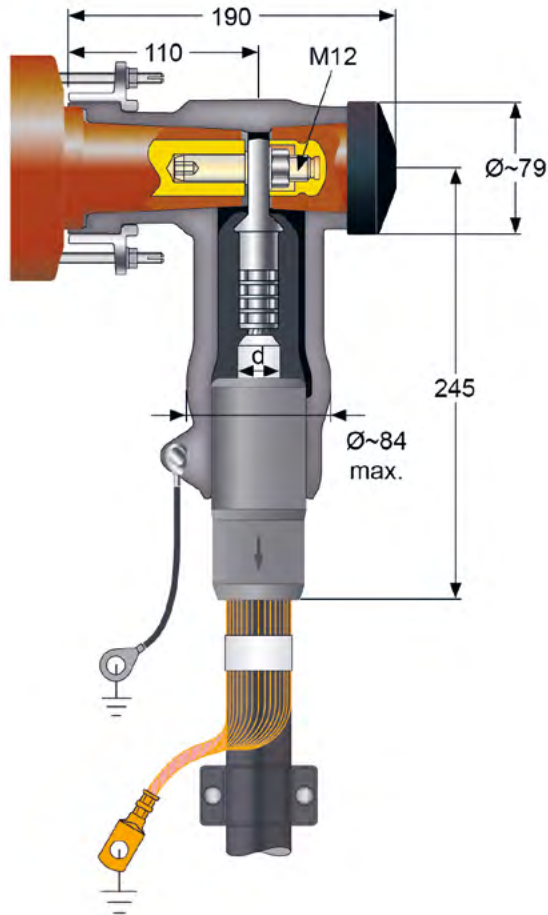
CE 24-400 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
25 – 95	02	12.7 – 25.0	26 416 81
95 – 240	03	21.2 – 34.6	26 416 83

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Branch Connectors



Application:

CB 36-400 is a branch connector made of silicone rubber for connection to switchgears and transformers up to 42 kV with bushings type B (400 A) according to EN 50180 and EN 50181.

- quick and easy assembly
- screening by outer conductive layer
- integrated stress control system
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 28 mm

Properties:

Maximal system voltage	42 kV
Continuous nominal current	400 A
Partial discharge at $2 U_0$	< 5 pC
Alternating withstand voltage (AC, 5 min.)	94 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CB 36-400 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Bestellnummer	
mm ²		mm	Al	Cu
25	5003	17.0 – 24.3		
35	5003	17.0 – 24.3		
50	5003	17.0 – 24.3		
70	5003	17.0 – 24.3		
95	5005	21.2 – 33.6	on request	on request
120	5005	21.2 – 33.6		
150	5005	21.2 – 33.6		
185	5005	21.2 – 33.6		
240	5005	21.2 – 33.6		
300	5027	28.9 – 40.0	26 456 60	26 456 10

CB 36-400 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
25 – 70	5003	17.0 – 24.3	26 456 68
95 – 120	5005	21.2 – 33.6	26 456 67
95 – 240	5005	21.2 – 33.6	26 456 70

Technical details for order for 18/30(36) kV cables

CB 36-400 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	5003	17.0 – 24.3	26 456 51	26 456 01
35	5003	17.0 – 24.3	26 456 52	26 456 02
50	5005	21.2 – 33.6	26 456 53	26 456 03
70	5005	21.2 – 33.6	26 456 54	26 456 04
95	5005	21.2 – 33.6	26 456 55	26 456 05
120	5005	21.2 – 33.6	26 456 56	26 456 06
150	5027	28.9 – 40.0	26 456 57	26 456 07
185	5027	28.9 – 40.0	26 456 58	26 456 08
240	5027	28.9 – 40.0	26 456 59	26 456 09
300	5027	28.9 – 40.0	26 456 60	26 456 10

CB 36-400 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
25 – 35	5003	17.0 – 24.3	26 456 68
50 – 120	5005	21.2 – 33.6	26 456 67
70 – 120	5005	21.2 – 33.6	26 456 70
150 – 240	5027	28.9 – 40.0	26 456 69



Cable Connectors for Bushings Type C and F

Cable Connectors for Bushings Type C and F

Bushings type C1 or C2 also known as 630 A or 1250 A bushing according to EN 50180 and EN 50181. C1 and C2 has the same outer contour but a different copper insert for higher current. They have a mechanical robust M16 threads and mostly used to connect the cables with transformers or encapsulated switchgears.

For both bushings, our CB xx-630 and CB xx-1250 are being used.

With the M16 thread and the large copper insert of the larger bushing type F, currents up to 2500 ampere possible. For this bushing, our CB 42-2500 is being used.

To install further cables, the coupling connector type CC is used. All CB and CC with the same thread can

be combined. The same applies for the surge arrester type CSA.

CE = Connector **E**lbow
CB = Connector **B**ranch
CC = Connector **C**oupling
CSA = Connector **S**urge **A**rrester

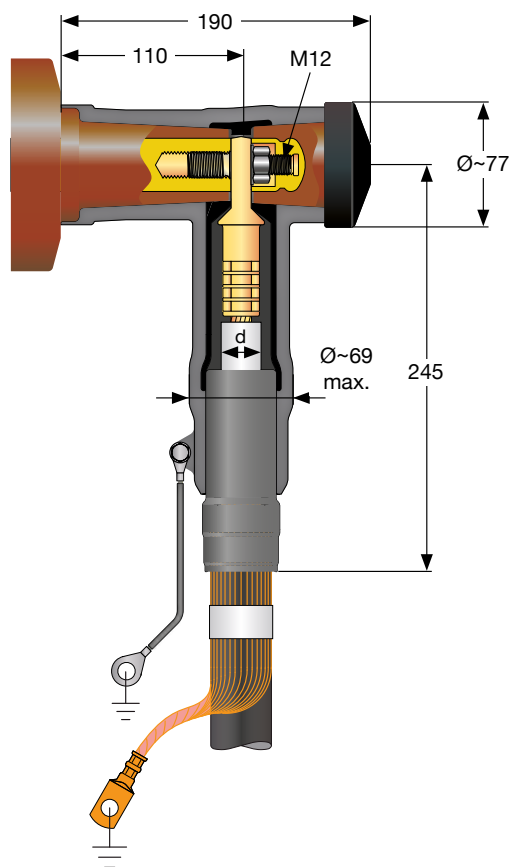
The reference numbers of the connectors refer to cables according to VDE 0276-620, with solid extruded outer conductive layer and copper wire screen.

For different cable types, we have a wide variety of accessories. Please give the cable data sheet in your order. In the appendix of this catalogue, you can find a cable data form, wherewith you easy can describe your cable. For installing of the accessories include crimp type cable lugs, crimping tools with die codes according to DIN 48083 part 4 have to be used.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Branch Connectors



Application:

CB 24-630 is a 20 kV- branch connector made of silicone rubber for connection to switchgears and transformers up to 24 kV with bushings according to EN 50180 and EN 50181, connection type C1 (630A) and C2 (1250 A).

- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 28 mm

Properties:

Maximal system voltage	24 kV
Continuous nominal current	630 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CB 24-630 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	02	12.7 – 25.0	26 323 51	26 323 01
35	02	12.7 – 25.0	26 323 52	26 323 02
50	02	12.7 – 25.0	26 323 53	26 323 03
70	02	12.7 – 25.0	26 323 54	26 323 04
95	02	12.7 – 25.0	26 323 65	26 323 15
120	02	12.7 – 25.0	26 323 66	26 323 16
150	02	12.7 – 25.0	26 323 67	26 323 17
185	03	21.2 – 34.6	26 323 58	26 323 08
240	03	21.2 – 34.6	26 323 59	26 323 09
300	03	21.2 – 34.6	26 323 60	26 323 10
95	23	17.0 – 32.6	26 321 35	26 321 75
120	23	17.0 – 32.6	26 321 36	26 321 76
150	23	17.0 – 32.6	26 321 37	26 321 77
185	23	17.0 – 32.6	26 321 38	26 321 78
240	23	17.0 – 32.6	26 321 39	26 321 79
300	23	17.0 – 32.6	26 321 40	26 321 80

CB 24-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
25 – 95	02	12.7 – 25.0	26 321 42
95 – 240	23	17.0 – 32.6	26 321 43 / 26 621 63 (AWG)
185 – 240	03	21.2 – 34.6	26 321 44 / 26 321 64 (AWG)
185 – 300	03	21.2 – 34.6	26 321 53

* American Wire Gauge Specification

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Technical details for order for 12/20(24) kV cables

CB 24-630 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	02	12.7 – 25.0	26 323 51	26 323 01
35	02	12.7 – 25.0	26 323 52	26 323 02
50	02	12.7 – 25.0	26 323 53	26 323 03
70	02	12.7 – 25.0	26 323 54	26 323 04
95	03	21.2 – 34.6	26 323 55	26 323 05
120	03	21.2 – 34.6	26 323 56	26 323 06
150	03	21.2 – 34.6	26 323 57	26 323 07
185	03	21.2 – 34.6	26 323 58	26 323 08
240	03	21.2 – 34.6	26 323 59	26 323 09
300	03	21.2 – 34.6	26 323 60	26 323 10
25	23	17.0 – 32.6	26 321 31	26 321 71
35	23	17.0 – 32.6	26 321 32	26 321 72
50	23	17.0 – 32.6	26 321 33	26 321 73
70	23	17.0 – 32.6	26 321 34	26 321 74
95	23	17.0 – 32.6	26 321 35	26 321 75
120	23	17.0 – 32.6	26 321 36	26 321 76
150	23	17.0 – 32.6	26 321 37	26 321 77
185	23	17.0 – 32.6	26 321 38	26 321 78
240	23	17.0 – 32.6	26 321 39	26 321 79

CB 24-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
25 – 95	02	12.7 – 25.0	26 321 42	
95 – 240	03	21.2 – 34.6	26 321 44 / 26 321 64 (AWG)	
95 – 300	03	21.2 – 34.6	26 321 53	

* American Wire Gauge Specification

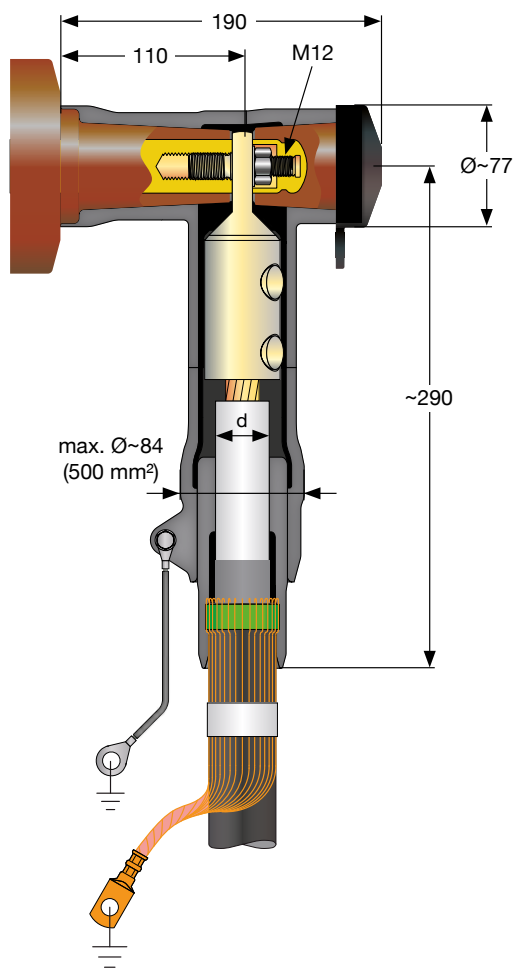
Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Branch Connectors



Application:

CB 24-1250/2 is a 20 kV- branch connector made of silicone rubber for connection to switchgears and transformers up to 24 kV with bushings according to EN 50180 and EN 50181, connection type C1 (630A) and C2 (1250 A).

- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 40 mm

Properties:

Maximal system voltage	24 kV
Continuous nominal current	1250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CB 24-1250/2 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
185	5005	21.2 – 33.6		
240	5005	21.2 – 33.6	on request	on request
300	5005	21.2 – 33.6		
400	5027	28.9 – 40.0	26 582 61	26 582 11
500	5027	28.9 – 40.0	26 582 62	26 582 12

CB 24-1250/2 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
185 – 300	5005	21.2 – 33.6	26 582 44	
400 – 500	5027	28.9 – 40.0	26 582 46	

Technical details for order for 12/20(24) kV cables

CB 24-1250/2 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	5005	21.2 – 33.6	26 582 55	26 582 05
120	5005	21.2 – 33.6	26 582 56	26 582 06
150	5005	21.2 – 33.6	26 582 57	26 582 07
185	5005	21.2 – 33.6	26 582 58	26 582 08
240	5005	21.2 – 33.6	26 582 59	26 582 09
300	5027	28.9 – 40.0	26 582 60	26 582 10
400	5027	28.9 – 40.0	26 582 61	26 582 11
500	5027	28.9 – 40.0	26 582 62	26 582 12

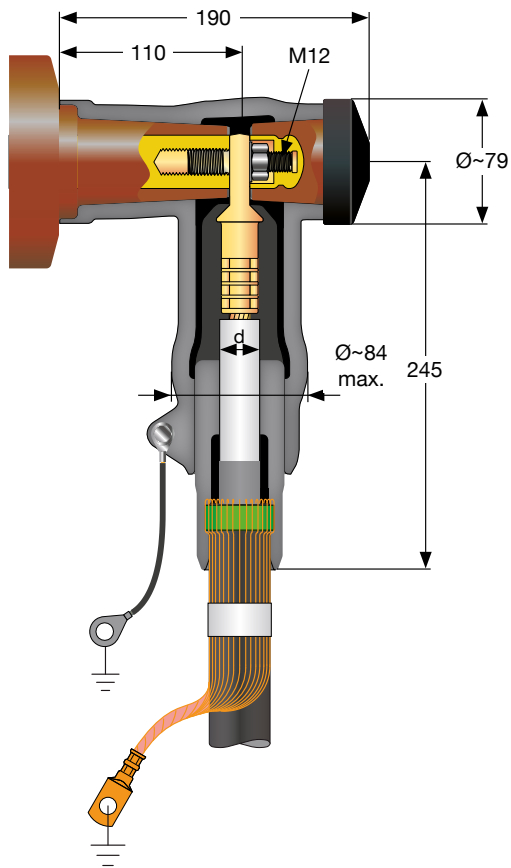
CB 24-1250/2 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
95 – 240	5005	21.2 – 33.6	26 582 44	
300 – 500	5027	28.9 – 40.0	26 582 46	

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Branch Connectors



Application:

CB 36-630 is a branch connector made of silicone rubber for connection to switchgears and transformers up to 42 kV with bushings according to EN 50180 and EN 50181, connection type C1 (630A) and C2 (1250 A).

- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 28 mm

Properties:

Maximal system voltage	42 kV
Continuous nominal current	630 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	94 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CB 36-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm²		mm	
35 – 70	5003	17.0 – 24.3	26 331 16
95 – 120 Cu/150 Al	5005	21.2 – 33.6	26 331 17
95 – 240	5005	21.2 – 33.6	26 331 18
185 – 400 RM	5024	25.4 – 37.8	26 331 31
300	5027	28.9 – 40.0	26 331 20
400 RM	5031	34.0 – 44.0	26 331 33

Technical details for order for 18/30(36) kV cables

CB 36-630 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm²		mm	Al Cu
25	5003	17.0 – 24.3	26 331 51 26 331 01
35	5003	17.0 – 24.3	26 331 52 26 331 02
50	5005	21.2 – 33.6	26 331 53 26 331 03
70	5005	21.2 – 33.6	26 331 54 26 331 04
95	5005	21.2 – 33.6	26 331 55 26 331 05
120	5005	21.2 – 33.6	26 331 56 26 331 06
150	5027	28.9 – 40.0	26 331 57 26 331 07
185	5027	28.9 – 40.0	26 331 58 26 331 08
240	5027	28.9 – 40.0	26 331 59 26 331 09
300	5027	28.9 – 40.0	26 331 60 26 331 10

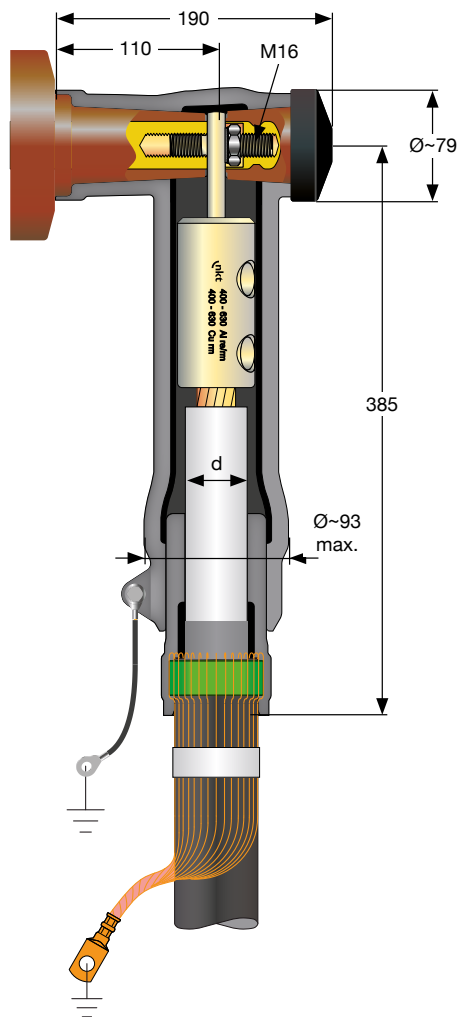
CB 36-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm²		mm	
25 – 35	5003	17.0 – 24.3	26 331 16
50 – 120/150 Al	5005	21.2 – 33.6	26 331 17
95 – 150	5005	21.2 – 33.6	26 331 18
95 – 240	5024	25.4 – 37.8	26 331 32
150 – 240	5027	28.9 – 40.0	26 331 19
150 – 300	5027	28.9 – 40.0	26 331 20
300 – 400 RM	5031	34.0 – 44.0	26 331 33

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Branch Connectors



Application:

CB 36-630(1250) is a branch connector made of silicone rubber for connection to switchgears and transformers up to 42 kV with bushings according to EN 50180 and EN 50181, connection type C1 (630A) and C2 (1250 A).

- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 45 mm

Properties:

Maximal system voltage	42 kV
Continuous nominal current	1250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	94 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CB 36-630(1250) incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
300	27	28.9 – 37.8	26 381 60	–
400	31	34.0 – 45.6	26 381 61	26 381 11
500	31	34.0 – 45.6	26 381 62	26 381 12
630	31	34.0 – 45.6	26 381 63	26 381 13
630	37	39.1 – 51.0	26 382 63	26 382 13
800	37	39.1 – 51.0	–	26 382 14

CB 36-630(1250) incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
240 RM – 300	27	28.9 – 37.8	26 382 82	
400 – 630	31	34.0 – 45.6	26 381 74	
400 – 630 800 Al RE	31	34.0 – 45.6	26 381 75	
630 800 Al RE	37	39.1 – 51.0	26 381 76	

Technical details for order for 18/30(36) kV cables

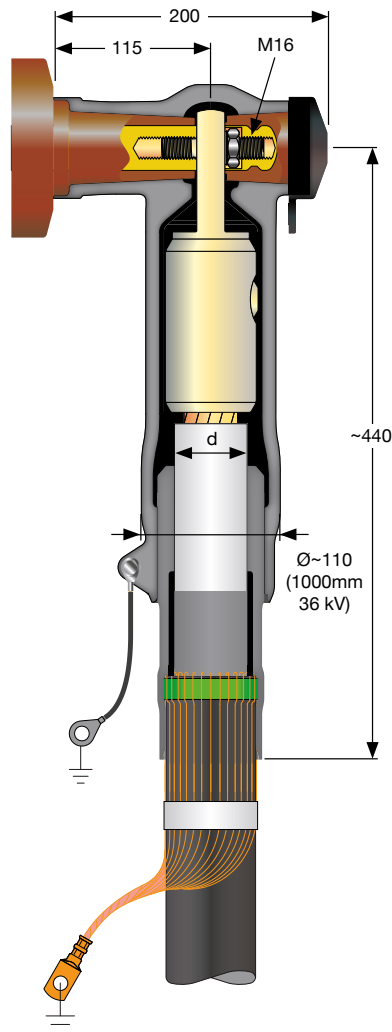
CB 36-630(1250) incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
240	31	34.0 – 45.6	26 382 59	26 382 09
300	31	34.0 – 45.6	26 382 60	26 382 10
400	31	34.0 – 45.6	26 381 61	26 381 11
500	31	34.0 – 45.6	26 381 62	26 381 12
400	37	39.1 – 51.0	26 382 61	26 382 11
500	37	39.1 – 51.0	26 382 62	26 382 12
630	37	39.1 – 51.0	26 382 63	26 382 13

CB 36-630(1250) incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
150 – 240	27	28.9 – 37.8	26 381 82	
300	31	34.0 – 45.6	26 381 83	
400 – 500	31	34.0 – 45.6	26 381 74	
400 – 500	31	34.0 – 45.6	26 381 75	
400 – 630	37	39.1 – 51.0	26 381 77	
400 – 630 800 Al RE	37	39.1 – 51.0	26 381 76	

Branch Connectors



Application:

CB 42-1250/3 is a branch connector made of silicone rubber for connection to switchgears and transformers up to 42 kV with bushings according to EN 50180 and EN 50181, connection type C1 (630A) and C2 (1250 A).

- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 55 mm

Properties:

Maximal system voltage	42 kV
Continuous nominal current	1250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	95 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CB 42-1250/3 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	7020	21.2 – 32.6	26 654 55	26 654 05
120	7020	21.2 – 32.6	26 654 56	26 654 06
150	7020	21.2 – 32.6	26 654 77	26 654 27
185	7020	21.2 – 32.6	26 654 78	26 654 28
240	7020	21.2 – 32.6	26 654 79	26 654 29
300	7027	28.9 – 37.8	26 654 80	26 654 30
400	7031	34.0 – 45.6	26 654 81	26 654 31
500	7031	34.0 – 45.6	26 654 82	26 654 32
630	7037	39.1 – 51.0	26 654 83	26 654 33
800	7037	39.1 – 51.0	–	26 654 34
1000	7042	45.5 – 57.8	–	26 654 15

CB 42-1250/3 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
95 – 240	7020	21.2 – 32.6	26 625 39	
240 RM – 400	7024	28.9 – 37.8	26 625 41	
400 RM – 500 Al	7031	34.0 – 45.6	26 625 43	
400 RM – 630	7031	34.0 – 45.6	26 625 48	
630 RM	7037	39.1 – 51.0	26 625 45	
630 RM – 800	7037	39.1 – 51.0	26 625 47	
1000	7042	45.2 – 57.8	26 625 55	

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Technical details for order for 18/30(36) kV cables

CB 42-1250/3 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	7020	21.2 – 32.6	26 654 55	26 654 05
120	7020	21.2 – 32.6	26 654 56	26 654 06
150	7027	28.9 – 37.8	26 654 57	26 654 07
185	7027	28.9 – 37.8	26 654 58	26 654 08
240	7027	28.9 – 37.8	26 654 59	26 654 09
300	7031	34.0 – 45.6	26 654 60	26 654 10
400	7037	39.1 – 51.0	26 654 61	26 654 11
500	7037	39.1 – 51.0	26 654 62	26 654 12
630	7042	45.5 – 57.8	26 654 63	26 654 13
800	7042	45.5 – 57.8	–	26 654 14
1000	7042	45.5 – 57.8	–	26 654 15

CB 42-1250/3 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
95 – 120	7020	21.2 – 32.6	26 625 38	
150 – 240	7024	28.9 – 37.8	26 625 40	
300	7031	34.0 – 45.6	26 625 42	
400 – 500	7031	34.0 – 45.6	26 625 48	
400 RM – 500 Al	7037	39.1 – 51.0	26 625 44	
400 RM, 500 Al RE 630	7037	39.1 – 51.0	26 625 47	
630	7037	39.1 – 51.0	26 625 45	
630 RM, 800 Al RE 1000	7042	45.5 – 57.8	26 625 55	

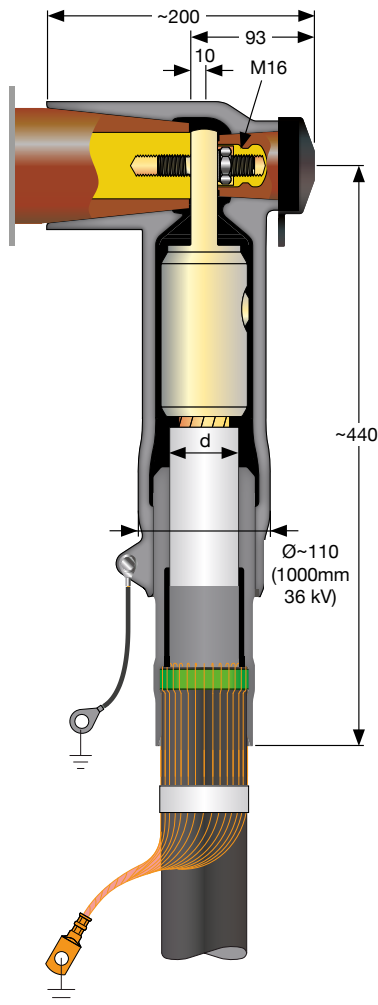
Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Branch Connectors



Application:

CB 42-2500/3 is a branch connector made of silicone rubber for connection to switchgears and transformers up to 42 kV with bushings according to EN 50180 and EN 50181, connection type F (2500 A).

- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 55 mm

Properties:

Maximal system voltage	42 kV
Continuous nominal current	2500 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	95 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CB 42-2500/3 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	7020	21.2 – 32.6	26 655 55	26 655 05
120	7020	21.2 – 32.6	26 655 56	26 655 06
150	7020	21.2 – 32.6	26 655 77	26 655 27
185	7020	21.2 – 32.6	26 655 78	26 655 28
240	7020	21.2 – 32.6	26 655 79	26 655 29
300	7027	28.9 – 37.8	26 655 80	26 655 30
400	7031	34.0 – 45.6	26 655 81	26 655 31
500	7031	34.0 – 45.6	26 655 82	26 655 32
630	7037	39.1 – 51.0	26 655 83	26 655 33
800	7037	39.1 – 51.0	–	26 655 34
1000	7042	45.5 – 57.8	–	26 655 15

CB 42-2500/3 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
630 – 800	7037	39.1 – 51.0	26 560 45	
1000	7042	45.5 – 57.8	26 560 55	

Technical details for order for 18/30(36) kV cables

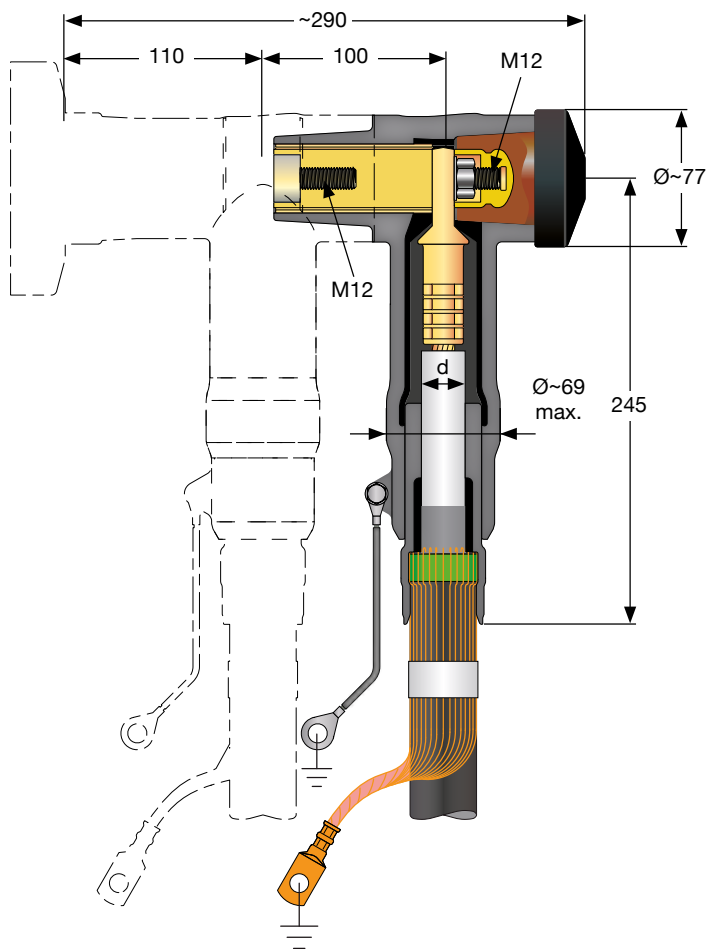
CB 42-2500/3 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	7020	21.2 – 32.6	26 655 55	26 655 05
120	7020	21.2 – 32.6	26 655 56	26 655 06
150	7027	28.9 – 37.8	26 655 57	26 655 07
185	7027	28.9 – 37.8	26 655 58	26 655 08
240	7027	28.9 – 37.8	26 655 59	26 655 09
300	7031	34.0 – 45.6	26 655 60	26 655 10
400	7037	39.1 – 51.0	26 655 61	26 655 11
500	7037	39.1 – 51.0	26 655 62	26 655 12
630	7042	45.5 – 57.8	26 655 63	26 655 13
800	7042	45.5 – 57.8	–	26 655 14
1000	7042	45.5 – 57.8	–	26 655 15

CB 42-2500/3 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
630 – 1000	7042	45.5 – 57.8	26 560 55	

Coupling Connectors



Application:

CC 24-630 is a screened coupling connector made of silicone rubber for double cable connection. It is linked directly to cable connector type CB and CC with a back-side thread of M12.

- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- maximal diameter of the connector < 85 mm, matching in all switchgears
- width of the cable lug = 28 mm

Properties:

Maximal system voltage	24 kV
Continuous nominal current	630 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CC 24-630 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	02	12.7 – 25.0	26 353 51	26 353 01
35	02	12.7 – 25.0	26 353 52	26 353 02
50	02	12.7 – 25.0	26 353 53	26 353 03
70	02	12.7 – 25.0	26 353 54	26 353 04
95	02	12.7 – 25.0	26 353 65	26 353 15
120	02	12.7 – 25.0	26 353 66	26 353 16
150	02	12.7 – 25.0	26 353 67	26 353 17
185	03	21.2 – 34.6	26 353 58	26 353 08
240	03	21.2 – 34.6	26 353 59	26 353 09
300	03	21.2 – 34.6	26 353 60	26 353 10
95	23	17.0 – 32.6	26 351 35	26 351 75
120	23	17.0 – 32.6	26 351 36	26 351 76
150	23	17.0 – 32.6	26 351 37	26 351 77
185	23	17.0 – 32.6	26 351 38	26 351 78
240	23	17.0 – 32.6	26 351 39	26 351 79
300	23	17.0 – 32.6	26 351 40	26 351 80

CC 24-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
25 – 95	02	12.7 – 25.0	26 353 25
95 – 240	23	17.0 – 32.6	26 353 26 / 26 353 36
185 – 240	03	21.2 – 34.6	26 353 27 / 26 353 37
185 – 300	03	21.2 – 34.6	26 353 47

* American Wire Gauge Specification

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Technical details for order for 12/20(24) kV cables

CC 24-630 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	02	12.7 – 25.0	26 353 51	26 353 01
35	02	2.7 – 25.0	26 353 52	26 353 02
50	02	2.7 – 25.0	26 353 53	26 353 03
70	02	2.7 – 25.0	26 353 54	26 353 04
95	03	21.2 – 34.6	26 353 55	26 353 05
120	03	21.2 – 34.6	26 353 56	26 353 06
150	03	21.2 – 34.6	26 353 57	26 353 07
185	03	21.2 – 34.6	26 353 58	26 353 08
240	03	21.2 – 34.6	26 353 59	26 353 09
300	03	21.2 – 34.6	26 353 60	26 353 10
25	23	17.0 – 32.6	26 351 31	26 351 71
35	23	17.0 – 32.6	26 351 32	26 351 72
50	23	17.0 – 32.6	26 351 33	26 351 73
70	23	17.0 – 32.6	26 351 34	26 351 74
95	23	17.0 – 32.6	26 351 35	26 351 75
120	23	17.0 – 32.6	26 351 36	26 351 76
150	23	17.0 – 32.6	26 351 37	26 351 77
185	23	17.0 – 32.6	26 351 38	26 351 78
240	23	17.0 – 32.6	26 351 39	26 351 79

CC 24-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
25 – 95	02	12.7 – 25.0	26 353 25
95 – 240	03	21.2 – 34.6	26 353 27 / 26 353 37
95 – 300	03	21.2 – 34.6	26 353 47

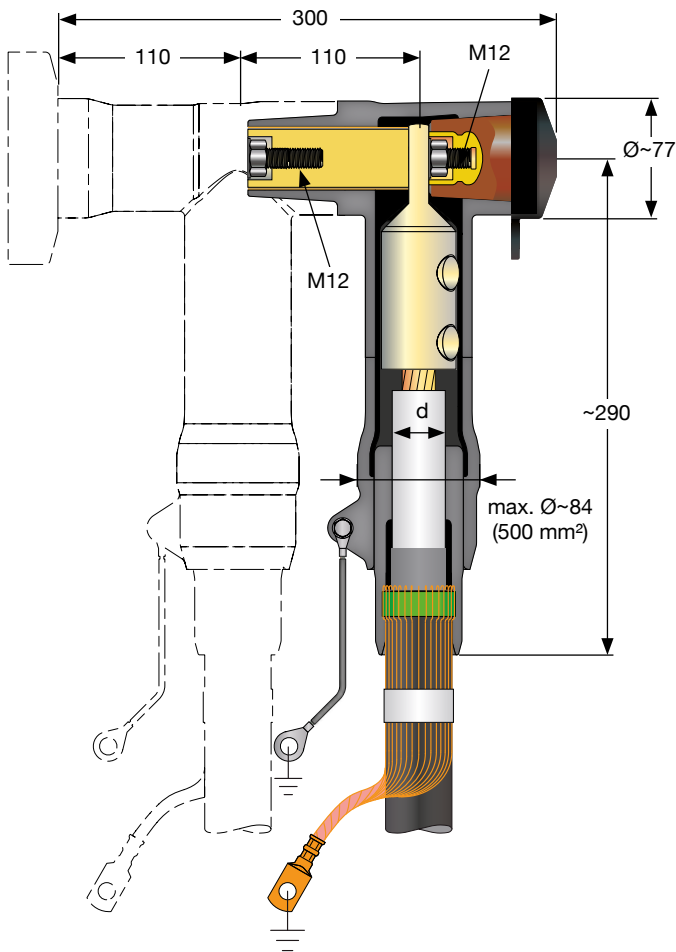
Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Coupling Connectors



Application:

CC 24-1250/2 is a screened coupling connector made of silicone rubber for double cable connection. It is linked directly to cable connector type CB and CC with a backside thread of M12.

- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- maximal diameter of the connector < 85 mm, matching in all switchgears
- width of the cable lug = 40 mm

Properties:

Maximal system voltage	24 kV
Continuous nominal current	1250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CC 24-1250/2 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
185	5005	21.2 – 33.6	on request	on request
240	5005	21.2 – 33.6	on request	on request
300	5005	21.2 – 33.6	on request	on request
400	5027	28.9 – 40.0	26 583 61	26 583 11
500	5027	28.9 – 40.0	26 583 62	26 583 12

CC 24-1250/2 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
185 – 300	5005	21.2 – 33.6	26 583 44	
400 – 500	5027	28.9 – 40.0	26 583 46	

Technical details for order for 12/20(24) kV cables

CC 24-1250/2 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	5005	21.2 – 33.6	26 583 55	26 583 05
120	5005	21.2 – 33.6	26 583 56	26 583 06
150	5005	21.2 – 33.6	26 583 57	26 583 07
185	5005	21.2 – 33.6	26 583 58	26 583 08
240	5005	21.2 – 33.6	26 583 59	26 583 09
300	5027	28.9 – 40.0	26 583 60	26 583 10
400	5027	28.9 – 40.0	26 583 61	26 583 11
500	5027	28.9 – 40.0	26 583 62	26 583 12

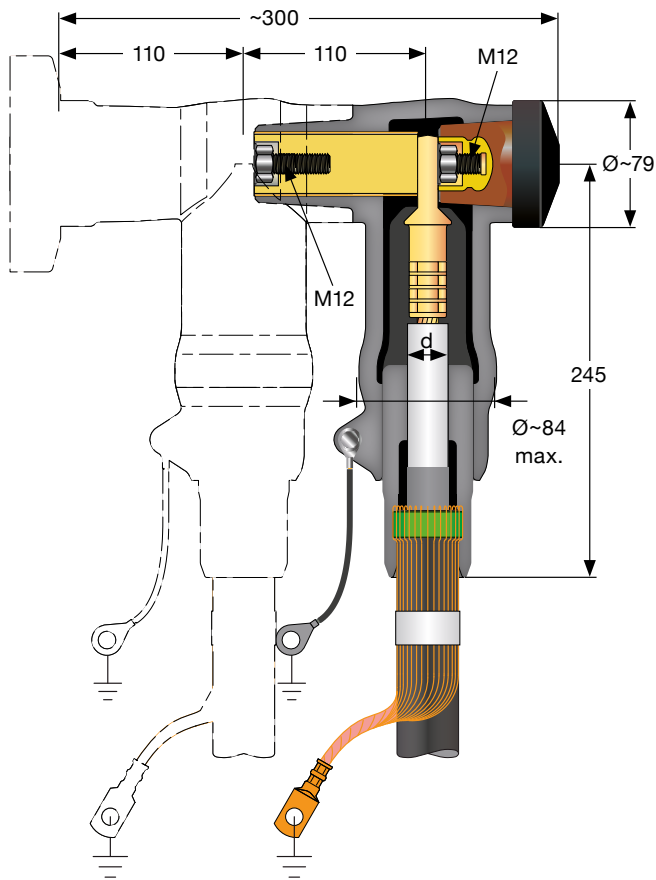
CC 24-1250/2 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
95 – 240	5005	21.2 – 33.6	26 583 44	
300 – 500	5027	28.9 – 40.0	26 583 46	

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Coupling Connectors



Application:

CC 36-630 M12 is a screened coupling connector made of silicone rubber for double cable connection. It is linked directly to cable connector type CB and CC with a backside thread of M12.

- matching for all types of switchgear
- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 28 mm

Properties:

Maximal system voltage	36 kV
Continuous nominal current	630 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	86 kV
Direct withstand voltage (DC, 15 min.)	114 kV
Impulse withstand voltage	194 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CC 36-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
35 – 70	5003	17.0 – 24.3	26 332 80
95 – 120/150 Al	5005	21.2 – 33.5	26 332 81
95 – 240	5005	21.2 – 33.5	26 332 82
185 – 400 RMV	5024	25.4 – 37.8	26 332 41
300	5027	28.9 – 40.0	26 332 84
400 RM	5031	34.0 – 44.0	26 332 85

Technical details for order for 18/30(36) kV cables

CC 36-630 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	5003	17.0 – 24.3	26 332 51	26 332 01
35	5003	17.0 – 24.3	26 332 52	26 332 02
50	5005	21.2 – 33.6	26 332 53	26 332 03
70	5005	21.2 – 33.6	26 332 54	26 332 04
95	5005	21.2 – 33.6	26 332 55	26 332 05
120	5005	21.2 – 33.6	26 332 56	26 332 06
150	5027	28.9 – 40.0	26 332 57	26 332 07
185	5027	28.9 – 40.0	26 332 58	26 332 08
240	5027	28.9 – 40.0	26 332 59	26 332 09
300	5027	28.9 – 40.0	26 332 60	26 332 10

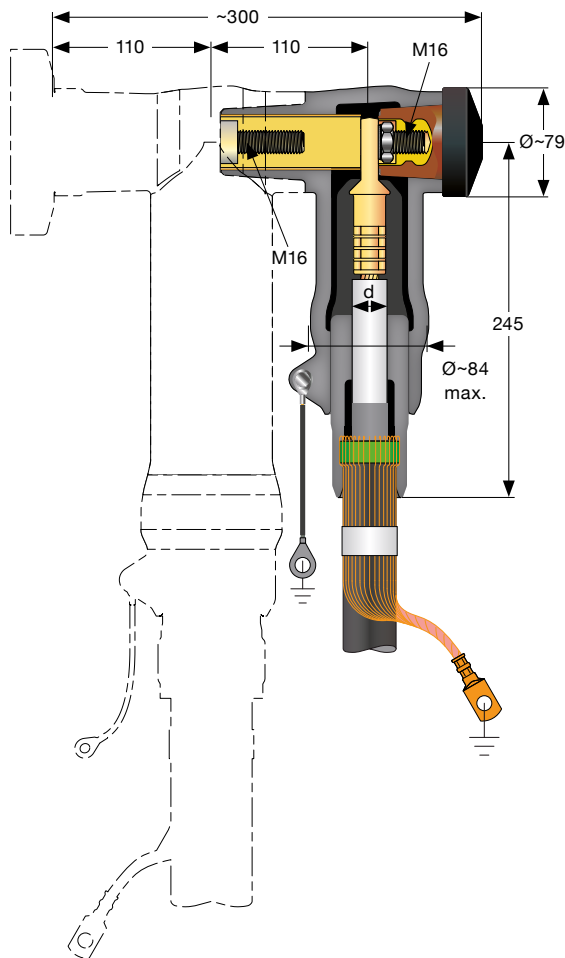
CC 36-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm ²		mm	
25 – 35	5003	17.0 – 24.3	26 332 80
50 – 120/150 Al	5005	21.2 – 33.6	26 332 81
95 – 150	5005	21.2 – 33.6	26 332 82
95 – 240	5024	25.4 – 37.8	26 332 42
150 – 240	5027	28.9 – 40.0	26 332 83
150 – 300	5027	28.9 – 40.0	26 332 84
300 – 400 RM	5031	34.0 – 44.0	26 332 85

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Coupling Connectors



Application:

CC 36-630 M16 is a screened coupling connector made of silicone rubber for double cable connection. It is linked directly to cable connector type CB and CC with a backside thread of M16.

- matching for all types of switchgear
- quick and easy assembly
- screening by outer conductive layer
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 28 mm

Properties:

Maximal system voltage	36 kV
Continuous nominal current	630 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	86 kV
Direct withstand voltage (DC, 15 min.)	114 kV
Impulse withstand voltage	194 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CC 36-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm²		mm	
35 – 70	5003	17.0 – 24.3	26 330 90
95 – 120/150 Al	5005	21.2 – 33.6	26 330 91
95 – 240	5005	21.2 – 33.6	26 330 92
185 – 400 RM	5024	25.4 – 37.8	on request
300	5027	28.9 – 40.0	26 330 94
400 RM	5031	34.0 – 44.0	on request

Technical details for order for 18/30(36) kV cables

CC 36-630 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm²		mm	Al Cu
25	5003	17.0 – 24.3	26 330 71 26 330 21
35	5003	17.0 – 24.3	26 330 72 26 330 22
50	5005	21.2 – 33.6	26 330 73 26 330 23
70	5005	21.2 – 33.6	26 330 74 26 330 24
95	5005	21.2 – 33.6	26 330 75 26 330 25
120	5005	21.2 – 33.6	26 330 76 26 330 26
150	5027	28.9 – 40.0	26 330 77 26 330 27
185	5027	28.9 – 40.0	26 330 78 26 330 28
240	5027	28.9 – 40.0	26 330 79 26 330 29
300	5027	28.9 – 40.0	26 330 80 26 330 30

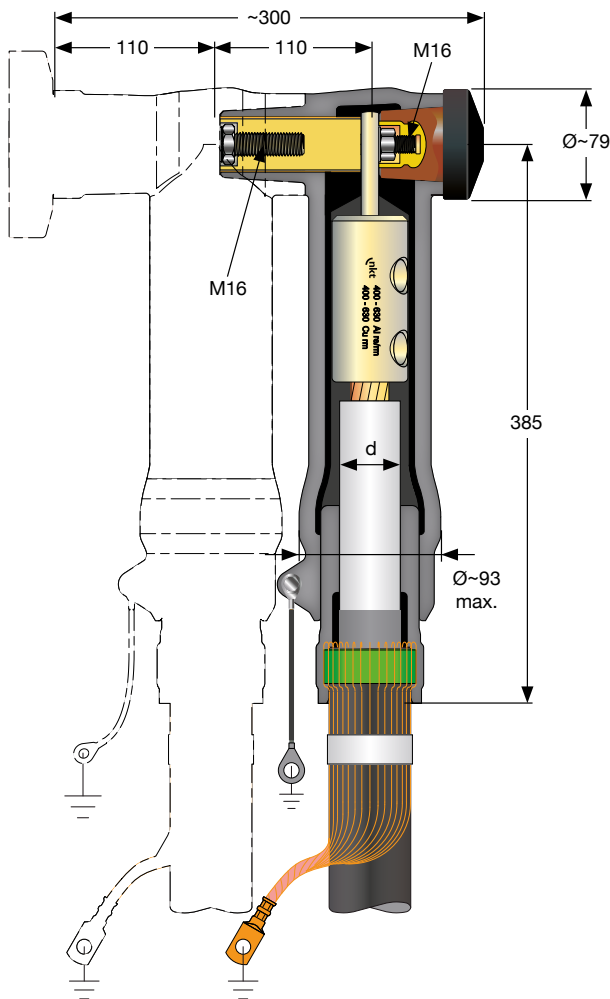
CC 36-630 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.
mm²		mm	
25 – 35	5003	17.0 – 24.3	26 330 90
50 – 120/150 Al	5005	21.2 – 33.6	26 330 91
95 – 150	5005	21.2 – 33.6	26 330 92
95 – 240	5024	25.4 – 37.8	on request
150 – 240	5027	28.9 – 40.0	26 330 93
150 – 300	5027	28.9 – 40.0	26 330 94
300 – 400 RM	5031	34.0 – 44.0	on request

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Coupling Connectors



Application:

CC 36-630 (1250) is a screened coupling connector made of silicone rubber for double cable connection. It is linked directly to cable connector type CB and CC with a backside thread of M16.

- matching for all types of switchgear
- quick and easy assembly
- screening by outer conductive layer
- integrated stress control system
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 45 mm

Properties:

Maximal system voltage	42 kV
Continuous nominal current	1250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	95 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CC 36-630(1250) incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
300	27	28.9 – 37.8	26 384 60	26 384 10
400	31	34.0 – 45.6	26 384 61	26 384 11
500	31	34.0 – 45.6	26 384 62	26 384 12
630	31	34.0 – 45.6	26 384 63	26 384 13
630	37	39.1 – 51.0	26 385 63	26 385 13
800	37	39.1 – 51.0	–	26 384 14

CC 36-630(1250) incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
240 RM – 300	27	28.9 – 37.8	26 384 78	
400 – 630	31	34.0 – 45.6	26 384 74	
630 800 Al RE	31	34.0 – 45.6	26 384 75	
630 800 Al RE	37	39.1 – 51.0	26 384 77	

Technical details for order for 18/30(36) kV cables

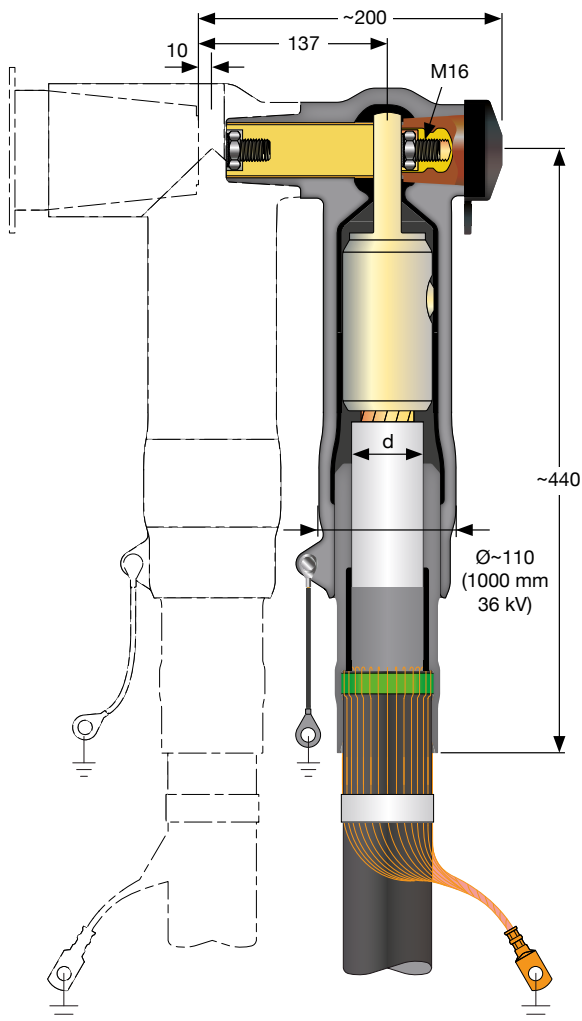
CC 36-630(1250) incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
240	31	34.0 – 45.6	26 385 59	26 385 09
300	31	34.0 – 45.6	26 385 60	26 385 10
400	31	34.0 – 45.6	26 384 61	26 384 11
500	31	34.0 – 45.6	26 384 62	26 384 12
400	37	39.1 – 51.0	26 385 61	26 385 11
500	37	39.1 – 51.0	26 385 62	26 385 12
630	37	39.1 – 51.0	26 385 63	26 385 13

CC 36-630(1250) incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
150 – 240	27	28.9 – 37.8	26 384 78	
300	31	34.0 – 45.6	26 384 79	
400 – 500	31	34.0 – 45.6	26 384 74	
400 – 500	31	34.0 – 45.6	26 384 75	
400 – 630	37	39.1 – 51.0	26 384 76	
630 800 Al RE	37	39.1 – 51.0	26 384 77	

Coupling Connectors



Application:

CC 42-2500/3 is a screened coupling connector made of silicone rubber for double cable connection. It is linked directly to cable connector type CB and CC with a backside thread of M16.

- matching for all types of switchgear
- quick and easy assembly
- screening by outer conductive layer
- integrated stress control system
- use of various cable lug types
 - screw type
 - hexagonal pressing
- cable sheath testing without dismantling of connector
- capacitive measuring point
- width of the cable lug = 55 mm

Properties:

Maximal system voltage	42 kV
Continuous nominal current	1250 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	95 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Conductor cable lugs	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 12/20(24) kV cables

CC 42-2500/3 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	7020	21.2 – 32.6	26 656 55	26 656 05
120	7020	21.2 – 32.6	26 656 56	26 656 06
150	7020	21.2 – 32.6	26 656 77	26 656 27
185	7020	21.2 – 32.6	26 656 78	26 656 28
240	7020	21.2 – 32.6	26 656 79	26 656 29
300	7027	28.9 – 37.8	26 656 80	26 656 30
400	7031	34.0 – 45.6	26 656 81	26 656 31
500	7031	34.0 – 45.6	26 656 82	26 656 32
630	7037	39.1 – 51.0	26 656 83	26 656 33
800	7037	39.1 – 51.0	–	26 656 34
1000	7042	45.5 – 57.8	–	26 656 15

CC 42-2500/3 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
630 – 800	7037	39.1 – 51.0	26 561 45	
1000	7042	45.5 – 57.8	26 561 55	

Technical details for order for 18/30(36) kV cables

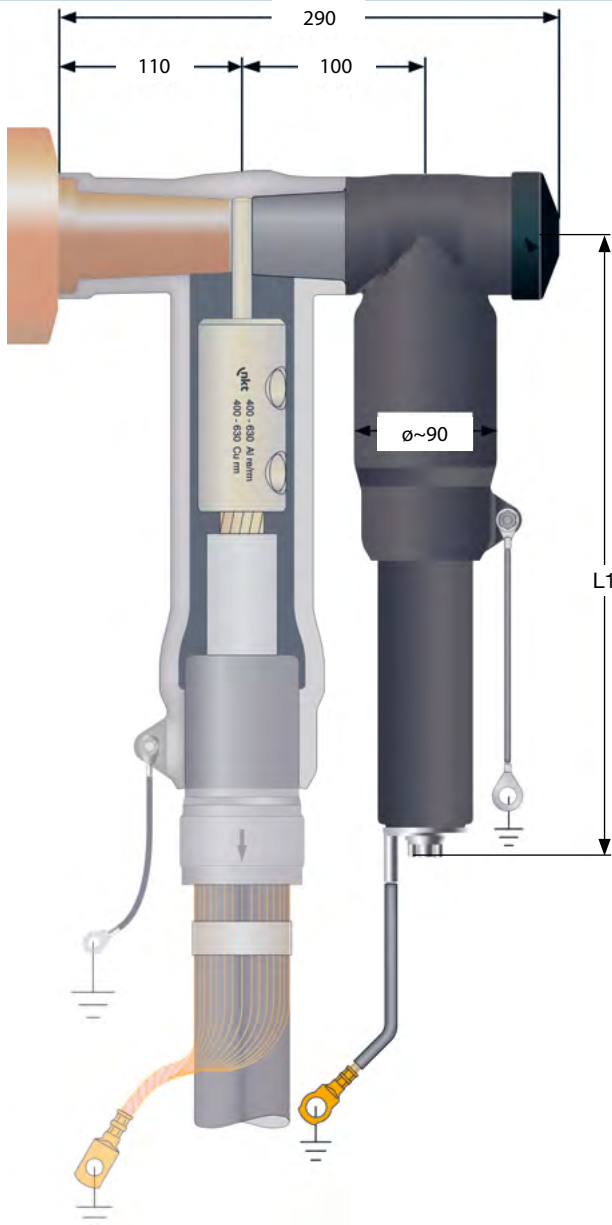
CC 42-2500/3 incl. crimp type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
95	7020	21.2 – 32.6	26 656 55	26 656 05
120	7020	21.2 – 32.6	26 656 56	26 656 06
150	7027	28.9 – 37.8	26 656 57	26 656 07
185	7027	28.9 – 37.8	26 656 58	26 656 08
240	7027	28.9 – 37.8	26 656 59	26 656 09
300	7031	34.0 – 45.6	26 656 60	26 656 10
400	7037	39.1 – 51.0	26 656 61	26 656 11
500	7037	39.1 – 51.0	26 656 62	26 656 12
630	7042	45.5 – 57.8	26 656 63	26 656 13
800	7042	45.5 – 57.8	–	26 656 14
1000	7042	45.5 – 57.8	–	26 656 15

CC 42-2500/3 incl. screw type cable lugs for conductor and screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
630 – 1000	7042	45.5 – 57.8	26 561 55	

Surge Arrester



Application:

Metal oxide surge arrester with silicone rubber insulation for coupling with connector type CB and CC, to protect medium voltage networks. Incoming overvoltage waves are limited and voltage increase by reflection is avoided. Minimal total length is achieved by direct link of the surge arrester to the cable connector.

- quick and easy assembly
- screening by outer conductive layer
- capacitive measuring point
- Surge arrester with short installation depth ~290 upon request

Scope of delivery:

Cable connectors	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order

CSA M12, for coupling with connector type CB and CC

Continuous operating voltage	Rated voltage	Nominal discharge current	L1	Ref. No.
Uc (kV)	Ur (kV)	In (kA)	mm	
7,6	9,5	10	243	26 768 51
12	15	10	341	26 768 53
17.5	22	10	341	26 768 63
24	30	10	341	26 768 56
30	37.5	10	430	26 768 62
36	45	10	466	26 768 58

CSA M12 for coupling with connector type CB+CC 24-630, CB+CC 36-630 and CB+CC 24-1250.

Further alternatives concerning continuous operating voltage Uc upon request.
Surge arrester also available in a three piece set or in as one piece.

CSA M16, for coupling with connector type CB and CC

Continuous operating voltage	Rated voltage	Nominal discharge current	L1	Ref. No.
Uc (kV)	Ur (kV)	In (kA)	mm	
7,6	9,5	10	243	26 768 01
12	15	10	341	26 768 03
17.5	22	10	341	26 768 13
24	30	10	341	26 768 06
30	37.5	10	430	26 768 12
36	45	10	466	26 768 08

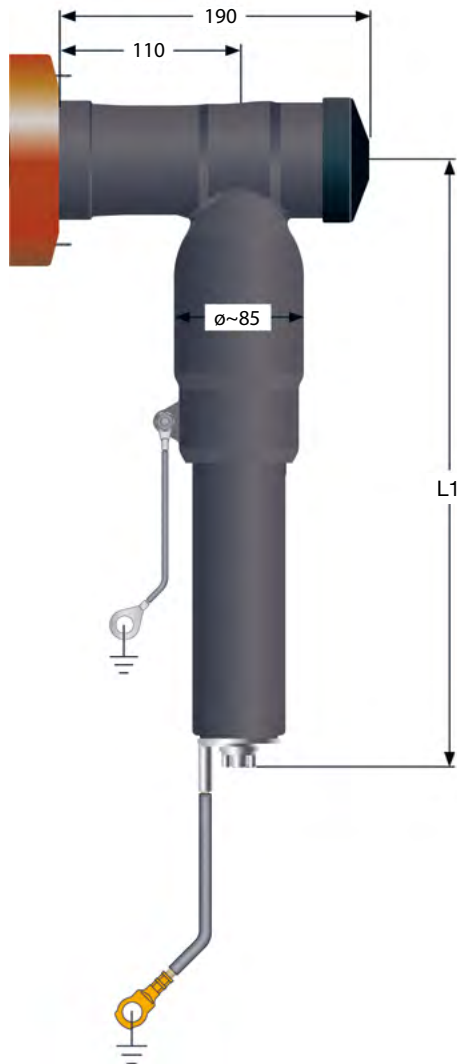
CSA M16 for coupling with connector type CB+CC 36-630(1250), CB 42-1250 and CB+CC 42-2500. Further alternatives upon request.

Further alternatives concerning continuous operating voltage Uc upon request.
Surge arrester also available in a three piece set or in as one piece.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Surge Arrester Type CSB



Application:

The surge arrester type CSB is designed for direct assembling onto bushings type C1 (630A) and C2 (1250 A).

- quick and easy assembly
- screening by outer conductive layer
- capacitive measuring point
- Surge arrester with short installation depth ~290 upon request

Scope of delivery:

Cable connectors	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order

CSB for coupling onto bushings type C1 (630 A) and C2 (1250 A)

Continuous operating voltage	Rated voltage	Nominal discharge current	L1	Ref. No.
U _c (kV)	U _r (kV)	I _n (kA)	mm	
7,6	9,5	10	243	26 770 51
12	15	10	341	26 770 53
17.5	22	10	341	26 770 63
24	30	10	341	26 770 56
30	37.5	10	430	26 770 62
36	45	10	466	26 770 58

Further alternatives concerning continuous operating voltage U_c upon request.
Surge arrester also available in a three piece set or in as one piece.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories





Cable Connectors for Inner Cone Bushings

Cable Connectors for Inner Cone Bushings

Inner cone bushings are pluggable connections, the mechanical strength is realized by threads at the border of the bushing. Inner cone bushings type 2 and 3 are common used for transformers and SF6-switchgears, the size 0 and 1 are only designed for special use.

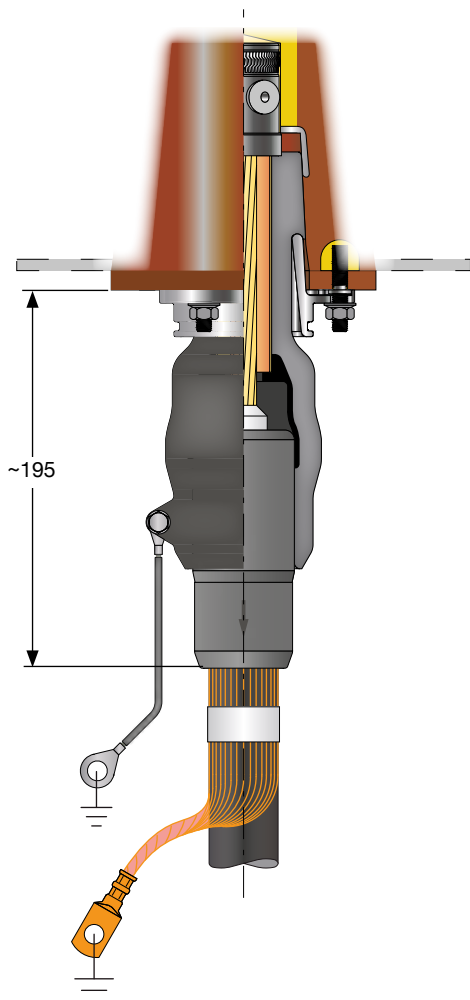
CPI = Connector Plug In
SPI = Surge arrester Plug In
FPI = Final Plug In

The reference numbers of the connectors refer to cables according to VDE 0276-620, with solid extruded outer conductive layer and copper wire screen. For different cable types, we have a wide variety of accessories. Please give the cable data sheet in your order. In the appendix of this catalogue, you can find a cable data form, wherewith you easy can describe your cable.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Inner Cone Plug



Application:

CPI 2 is a screened inner cone cable connector made of silicone rubber for cable connection to switchgear (RMU) and transformers up to 42 kV with bushings size 2 according to EN 50180/50181.

- assembling without specially tools
- screening by outer conductive layer
- multirange screw cable lug with lamellated contact
- integrated stress control system
- cable sheath testing without dismantling of connector
- unique connector casing for 25 up to 300 mm²

Properties:

Maximal system voltage	42 kV
Continuous nominal current	800 A
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	95 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Contact pieces	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

CPI 2 incl. contact element for conductor and crimp type cable lugs for the screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
			1 piece	1 set
25RM 35 – 70	5002	12.7 – 19.2	26 471 61	26 471 51
95 – 120	5003	17.0 – 24.3	26 471 62	26 471 52
120 – 150	5003	17.0 – 24.3	26 471 63	26 471 53
185	5005	21.2 – 33.6	26 471 65	26 471 55
240 – 300	5005	21.2 – 33.6	26 471 66	26 471 56
400 AL RM	5005	21.2 – 33.6	26 471 70	26 471 78

Technical details for order for 12/20(24) kV cables

CPI 2 incl. contact element for conductor and crimp type cable lugs for the screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
			1 piece	1 set
25 – 70	5003	17.0 – 24.3	26 471 62	26 471 52
95 – 120	5005	21.2 – 33.6	26 471 64	26 471 54
120 – 185	5005	21.2 – 33.6	26 471 65	26 471 55
240	5005	21.2 – 33.6	26 471 66	26 471 56
300	5027	28.9 – 40.0	26 471 68	26 471 58
400 AL RM	5027	28.9 – 40.0	26 471 71	26 471 79

Technical details for order for 18/30(36) kV cables

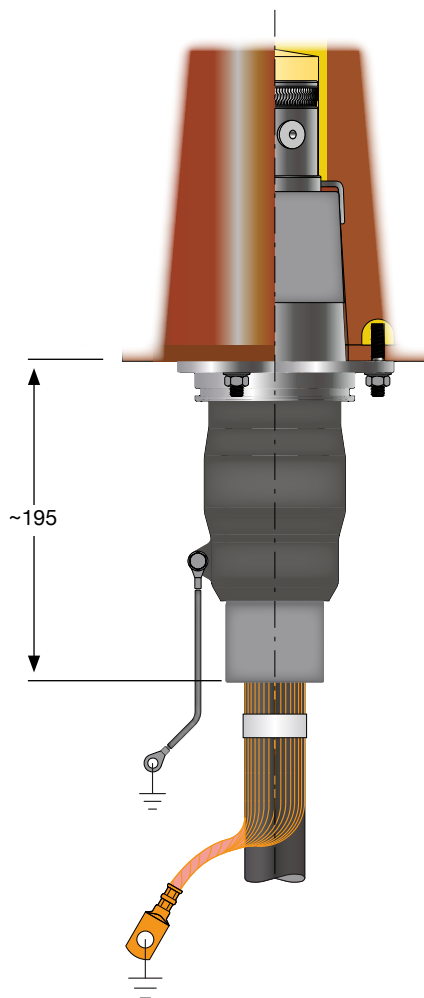
CPI 2 incl. contact element for conductor and crimp type cable lugs for the screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
			1 piece	1 set
25 – 35	5003	17.0 – 24.3	26 471 62	26 471 52
50 – 120	5005	21.2 – 33.6	26 471 64	26 471 54
120	5005	21.2 – 33.6	26 471 65	26 471 55
150 – 185	5027	28.9 – 40.0	26 471 67	26 471 57
240 – 300	5027	28.9 – 40.0	26 471 68	26 471 58
300	5031	34.0 – 44.0	26 471 69	26 471 59
400 AL RM	5031	34.0 – 44.0	26 471 72	26 471 80

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Inner Cone Plug



Application:

CPI 3 is a screened inner cone cable connector made of silicone rubber for cable connection to switchgear (RMU) and transformers up to 52 kV with bushings size 3 according to EN 50180/50181. The CPI 3 is also available with metal housing.

- assembling without specially tools
- screening by outer conductive layer
- multirange screw cable lug with lamellated contact
- integrated stress control system
- cable sheath testing without dismantling of connector
- unique connector casing for 50 up to 800 mm² RE

Properties:

Maximal system voltage	52 kV
Continuous nominal current	1250 A
Partial discharge at 2 U ₀	< 10 pC
Alternating withstand voltage (AC, 5 min.)	124 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	250 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Contact pieces	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12)

CPI 3 incl. contact element for conductor and crimp type cable lugs for the screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	1 piece	1 set
185	20	21.2 – 33.6	26 472 62	26 472 52
240 – 300	20	21.2 – 33.6	26 472 63	26 472 53
400 – 500	27	28.9 – 37.8	26 472 66	26 472 56
630	31	34.0 – 45.6	26 472 68	26 472 58
800 RE	37	39.1 – 51.0	26 472 70	26 472 60

Technical details for order for 12/20(24) kV cables

CPI 3 incl. contact element for conductor and crimp type cable lugs for the screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	1 piece	1 set
95 – 120	20	21.2 – 33.6	26 472 61	26 472 51
120 – 185	20	21.2 – 33.6	26 472 62	26 472 52
240	20	21.2 – 33.6	26 472 63	26 472 53
240 – 300	27	28.9 – 37.8	26 472 65	26 472 55
400 – 630	31	34.0 – 45.6	26 472 68	26 472 58
800 RE	37	39.1 – 51.0	26 472 70	26 472 60

Technical details for order for 18/30(36) kV cables

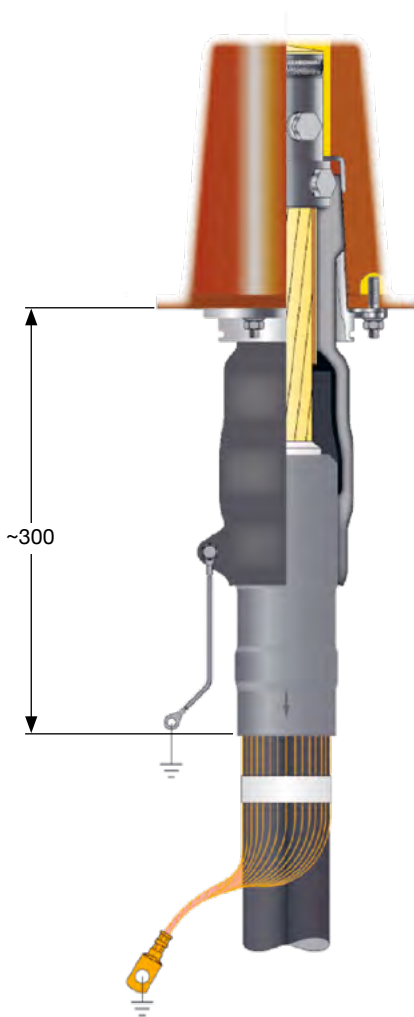
CPI 3 incl. contact element for conductor and crimp type cable lugs for the screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	1 piece	1 set
50 – 120	20	21.2 – 33.6	26 472 61	26 472 51
150	20	21.2 – 33.6	26 472 62	26 472 52
150 – 185	27	28.9 – 37.8	26 472 64	26 472 54
240	27	28.9 – 37.8	26 472 65	26 472 55
300	31	34.0 – 45.6	26 472 67	26 472 57
400 – 500	31	34.0 – 45.6	26 472 68	26 472 58
630	37	39.1 – 51.0	26 472 69	26 472 59
800 RE	37	39.1 – 51.0	26 472 70	26 472 60

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Inner Cone Plug



Application:

CPI 3 is a screened inner cone cable connector made of silicone rubber for connection with cables with large cross sections to switchgear (RMU) and transformers up to 52 kV with bushings size 3 according to EN 50180/50181.

- assembling without specially tools
- screening by outer conductive layer
- multirange screw cable lug with lamellated contact
- integrated stress control system
- cable sheath testing without dismantling of connector
- unique connector casing for 400 RE up to 1000 mm²

Properties:

Maximal system voltage	52 kV
Continuous nominal current	1250 A
Partial discharge at 2 U ₀	< 10 pC
Alternating withstand voltage (AC, 5 min.)	95 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Cable connectors	3
Stress cones	3
Contact pieces	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12)

CPI 3 XL incl. contact element for conductor and crimp type cable lugs for the screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	1 piece	1 set
800 - 1000 RE	37	39.1 – 51.0	26 437 96	26 437 98

Technical details for order for 12/20(24) kV cables

CPI 3 XL incl. contact element for conductor and crimp type cable lugs for the screening wires

Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	1 piece	1 set
400 - 630	31	34.0 – 45.6	26 437 92	26 437 93
800	37	39.1 – 51.0	26 437 96	26 437 98
1000 RE	42	45.5 - 57.8	26 437 97	26 437 99

Technical details for order for 18/30(36) kV cables

CPI 3 XL incl. contact element for conductor and crimp type cable lugs for the screening wires

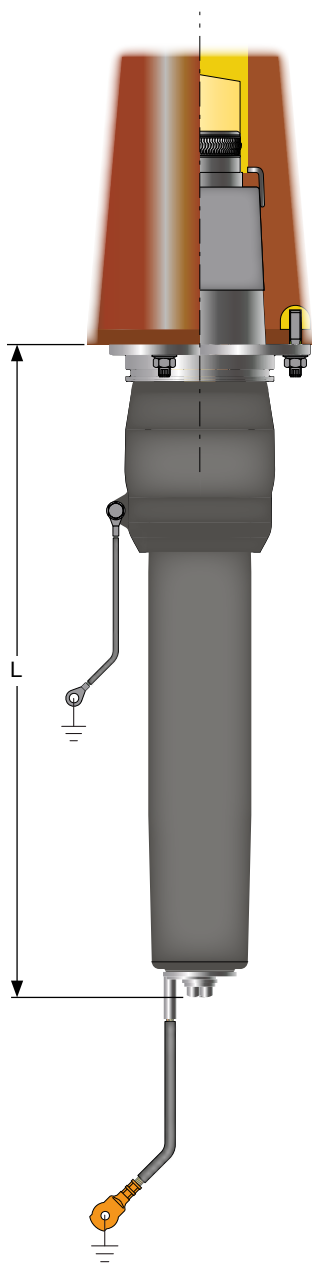
Cross section	Size of stress cone	Ø of core insulation (d)	Ref. No.	
mm ²		mm	1 piece	1 set
400 - 630	37	39.1 – 51.0	26 437 94	26 437 95
800 - 1000 RE	42	45.5 - 57.8	26 437 97	26 437 99

Max. conductor diameter = 36,0 mm.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Surge Arrester



Application:

Metal oxide surge arrester made of silicone rubber for connection to plug in type bushings size 2 and 3 according to EN 50180/50181, to protect medium voltage networks. Incoming overvoltage waves are limited and voltage increase by reflection is avoided.

- assembling without specially tools
- quick and easy assembly
- screening by outer conductive layer

Scope of delivery:

Cable connectors	3
Earthing cable lugs	3
Assembly instructions	1
Accessories	

Technical details for order

SPI 2, for bushings type 2

Uc	Ur	In	Dimension L	Ref. No.
kV	kV	kA	mm	
7,6	9,5	10	242	26 771 01
12	15	10	340	26 771 03
17.5	22	10	340	26 771 13
24	30	10	340	26 771 06
24	37,5	10	429	26 771 12
36	45	10	465	26 771 08

SPI 3, for bushings type 3

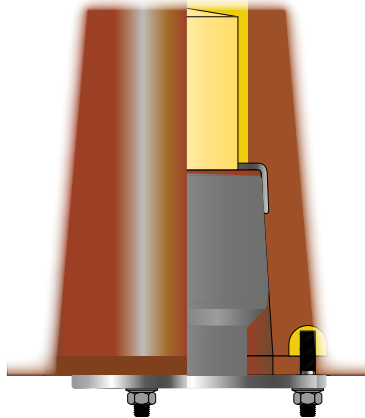
Uc	Ur	In	Dimension L	Ref. No.
kV	kV	kA	mm	
7,6	9,5	10	242	26 771 51
12	15	10	340	26 771 53
17.5	22	10	340	26 771 63
24	30	10	340	26 771 56
30	37,5	10	429	26 771 62
36	45	10	465	26 771 58

Further alternatives concerning continuous operating voltage Uc upon request.
Surge arrester also available in a three piece set or in as one piece.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Accessories for Inner Cone Plugs



Final plug FPI

FPI is a final plug for bushings size 2 and 3 according to EN 50180/50181.

- Final Plug complete with metal ring
- assembly without special tools
- quick and easy assembly

Technical details for order

Größe 3 SPI 2 for bushings type 2, SPI 3 for bushings type 3

Interface type	Ref. No.	
	1 piece	1 set
2	26 471 99	26 471 98
3	26 472 99	26 472 98



Bushings type for CPI

Interface type	Voltage tap	Ref. No.
2	-	26 573 71
3	-	26 573 72
2	Ja	26 573 73
3	Ja	26 573 74

Properties of bushings:

	Interface type 2	Interface type 3
Max. Operating Voltage	42 kV	52 kV
Rated Current	800 A	1250 A
Alternating withstand voltage AC	57 kV / 1 min.	95 kV / 1 min.
Partial Discharge	26 kV < 5 pC	57 kV < 2 pC

Metal housing for CPI 3

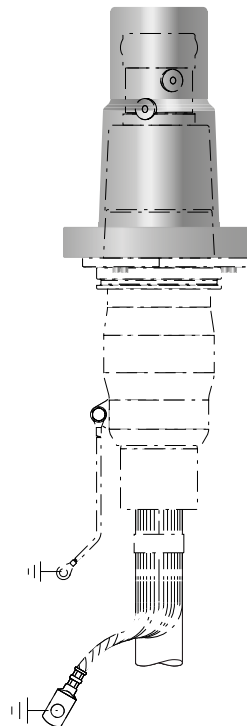
Interface type	Ref. No.
3	26 210 98



Protecting caps for inner cone plugs (1 piece)

Protecting cap for CPI + SPI

Interface type	Ref. No.
2	26 471 09
3	26 472 09



Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Joints

Joints

To realize high quality connection between cables, silicone push on joints are based on their pre-manufactured design qualified to a high standard. Different to e.g. hot shrinkable joints, the quality of the connection is defined in the factory, but not with undefined environment and climate on site. Additional, a very fast installation can be realized by the easier handling of the cable insulation.

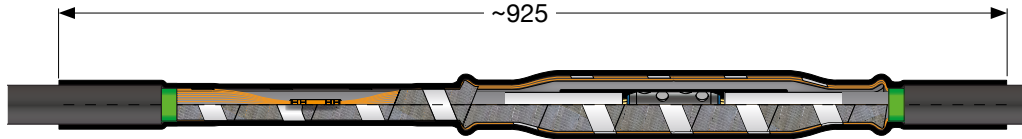
JS = Joint **S**traight
JC = Joint **C**old shrink

The reference numbers of the connectors refer to cables according to VDE 0276-620, with solid extruded outer conductive layer and copper wire screen. For different cable types, we have a wide variety of accessories. Please give the cable data sheet in your order. In the appendix of this catalogue, you can find a cable data form, wherewith you easy can describe your cable. For installing of the accessories include crimp type conductor connector, crimping tools with die codes according to DIN 48083 part 4 have to be used.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Straight Joint



Application:

JS 24-E is a straight joint with joint body made of silicone rubber for plastic insulated cables up to 24 kV.

- quick and easy assembly
- premolded joint body with integrated stress control system
- integrated stress control system
- use of various conductor connector types:
 - screw type
 - hexagonal pressing
- only two sizes covering the application range 95 – 400 mm²

Properties:

Maximal system voltage	24 kV
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV
Electrical heat cycling in air/water	32 kV / 42 Days
Thermal short-circuit 1s	18.5 kA, 150 ² AI
Dynamic short-circuit	45 kA, 150 ² AI

Scope of delivery:

Joint body	1
Conductor connector	1
Outer sleeve	1
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12)

JS 24-E incl. crimp type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
70	14	15.0 – 24.3	26 393 54	26 393 04
95	14	15.0 – 24.3	26 393 75	26 393 25
120	14	15.0 – 24.3	26 393 76	26 393 26
150	14	15.0 – 24.3	26 393 77	26 393 27
185	20	21.3 – 32.6	26 393 58	26 393 08
240	20	21.3 – 32.6	26 393 69	26 393 19
300	20	21.3 – 32.6	–	26 393 20
400	27	28.9 – 37.8	26 393 61	26 393 11

JS 24-E incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
70 – 95	14	15.0 – 24.3	26 393 87	
50 RM-120 Cu/150 Al	14	15.0 – 24.3	26 393 72	
185 – 240	20	21.3 – 32.6	26 393 79	
400	27	28.9 – 37.8	26 393 78	

Technical details for order for 12/20(24) kV cables

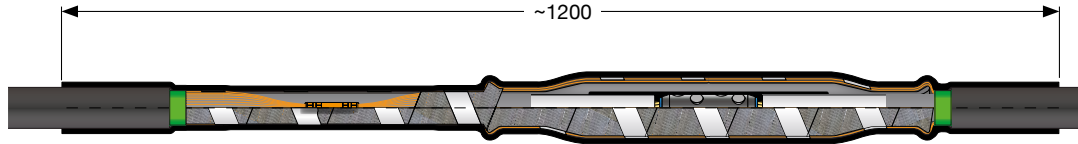
JS 24-E incl. crimp type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
25	14	15.0 – 24.3	26 393 51	26 393 01
35	14	15.0 – 24.3	26 393 52	26 393 02
50	14	15.0 – 24.3	26 393 53	26 393 03
70	14	15.0 – 24.3	26 393 54	26 393 04
95	20	21.3 – 32.6	26 393 55	26 393 05
120	20	21.3 – 32.6	26 393 56	26 393 06
150	20	21.3 – 32.6	26 393 57	26 393 07
185	20	21.3 – 32.6	26 393 58	26 393 08
240	27	28.9 – 37.8	26 393 59	26 393 09
300	27	28.9 – 37.8	26 393 60	26 393 10
400	27	28.9 – 37.8	26 393 61	26 393 11

JS 24-E incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
25 – 70	14	15.0 – 24.3	26 393 87	
50 – 70	14	15.0 – 24.3	26 393 72	
95 – 240	20	21.3 – 32.6	26 393 79	
240 RM – 300	27	28.9 – 37.8	26 393 89	
240 RM – 400	27	28.9 – 37.8	26 393 78	

Straight Joint



Application:

JS 36-E is a straight joint with joint body made of silicone rubber for plastic insulated cables up to 42 kV.

- quick and easy assembly
- premolded joint body with integrated stress control system
- integrated stress control system
- use of various conductor connector types:
 - screw type
 - hexagonal pressing

Properties:

Maximal system voltage	42 kV
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	93.6 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV
Electrical heat cycling in air/water	52 kV / 42 Days

Scope of delivery:

Joint body	1
Conductor connector	1
Outer sleeve	1
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

JS 36-E incl. crimp type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
500	30	32.4 – 42.8	26 503 62	26 503 12
630	30	32.4 – 42.8	–	26 503 13

Technical details for order for 12/20(24) kV cables

JS 36-E incl. crimp type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
400	30	32.4 – 42.8	26 503 61	26 503 11
500	30	32.4 – 42.8	26 503 62	26 503 12
630	36	38.9 – 49.5	26 505 63	26 505 13

JS 36-E incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
400	30	32.4 – 42.8	26 503 82	
630	36	38.9 – 49.5	26 505 81	
630 / 800 RE Al	36	38.9 – 49.5	26 505 82	

Technical details for order for 18/30(36) kV cables

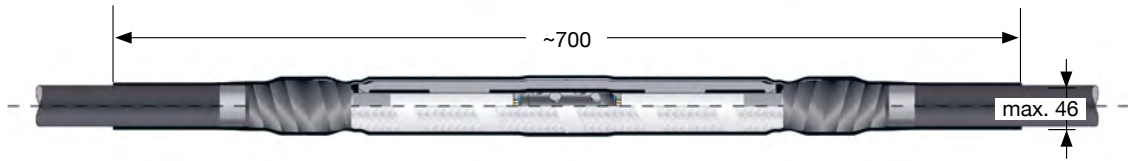
JS 36-E incl. crimp type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm	Al	Cu
240	30	32.4 – 42.8	26 503 59	26 503 09
300	30	32.4 – 42.8	26 503 60	26 503 10
400	30	32.4 – 42.8	26 503 61	26 503 11
400	36	38.9 – 49.5	26 505 61	26 505 11
500	36	38.9 – 49.5	26 505 62	26 505 12
630	36	38.9 – 49.5	26 505 63	26 505 13

JS 36-E incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d)	Ref. No.	
mm ²		mm		
240 – 400	30	32.4 – 42.8	26 503 82	
400 – 630	36	38.9 – 49.5	26 505 81	
400 – 630 / 800 RE Al	36	38.9 – 49.5	26 505 82	

Compact Cold Shrink Straight Joint



Application:

JC 24 is a cold shrink straight joint with joint body made of silicone rubber with outer protective cold shrinking tube made of EPDM, for plastic insulated cables with Cu wire screen up to 24 kV.

- quick, easy and convenient assembly
- removable support pipe, reliable installation
- compact joint body with integrated stress control system
- integrated geometrical field control independent of frequencies
- use of various conductor connector types:
 - screw type
 - hexagonal pressing
- suitable for cross sections of application range 95 – 300 mm²
- installations can be executed up to temperature -5°C

Properties:

Maximal system voltage	24 kV
Partial discharge at 2 U ₀	< 2 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Impulse withstand voltage	125 kV
Electrical heat cycling in air/water	32 kV / 42 Days

Scope of delivery:

Compact Joint body with Outer Sleeve	1
Conductor connector	1
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

C 24-CC incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.
mm²		mm	mm	
185 RM – 240	C	22.2 – 34.6	max. 46	26 605 63
185 RM – 300	C	22.2 – 34.6	max. 46	26 605 53

Technical details for order for 12/20(24) kV cables

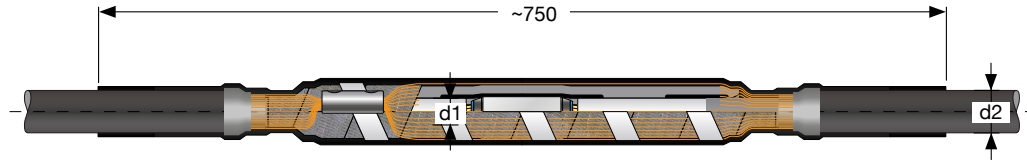
JC 24-CC incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.
mm²		mm	mm	
95 RM – 240	C	22.2 – 34.6	max. 46	26 605 63
95 RM – 300	C	22.2 – 34.6	max. 46	26 605 53

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Cold Shrink Straight Joint



Application:

JC 24 is a cold shrink straight joint with joint body made of silicone rubber and an outer protective heat shrinking tube, for plastic insulated cables up to 24 kV.

- quick, easy and convenient assembly
- pre expanded joint body on a patented spiral support pipe
- easy removable support pipe, reliable installation
- no need of special tools
- compact joint body with integrated stress control system
- use of various conductor connector types:
 - screw type
 - hexagonal pressing
- only two sizes covering the application range 50 – 300 mm²

Properties:

Maximal system voltage	24 kV
Partial discharge at 2 U ₀	< 5 pC
Alternating withstand voltage (AC, 5 min.)	57 kV
Direct withstand voltage (DC, 15 min.)	76 kV
Impulse withstand voltage	125 kV
Electrical heat cycling in air/water	32 kV / 42 Days
Thermal short-circuit 1s	18.5 kA, 150 ² AI

Scope of delivery:

Joint body	1
Conductor connector	1
Outer heat shrink sleeve	1
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

JC 24-HS incl. crimp type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.	
mm ²		mm	mm	Al	Cu
120	B	18.2 – 26.7	max. 37	26 622 56	26 622 06
150	B	18.2 – 26.7	max. 37	26 622 57	26 622 07
185	B	18.2 – 26.7	max. 37	26 622 58	26 622 08
185	C	22.2 – 34.6	max. 46	26 623 58	26 623 08
240	C	22.2 – 34.6	max. 46	26 623 59	26 623 09
300	C	22.2 – 34.6	max. 46	26 623 60	26 623 10

JC 24-HS incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.	
mm ²		mm	mm		
16 – 95	A	14.0 – 21.7	max. 28	on request	
120 – 150	B	18.2 – 26.7	max. 37	26 622 71	
120 – 185	B	18.2 – 26.7	max. 37	26 622 72	
185 RM – 240	C	22.2 – 34.6	max. 46	26 623 71	
185 RM – 300	C	22.2 – 34.6	max. 46	26 623 72	

Technical details for order for 12/20(24) kV cables

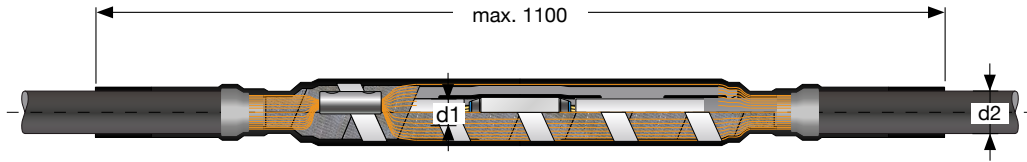
JC 24-HS incl. crimp type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.	
mm ²		mm	mm	Al	Cu
50	B	18.2 – 26.7	max. 37	26 622 53	26 622 03
70	B	18.2 – 26.7	max. 37	26 622 54	26 622 04
95	B	18.2 – 26.7	max. 37	26 622 55	26 622 05
95 RM	C	22.2 – 34.6	max. 46	26 623 55	26 623 05
120	C	22.2 – 34.6	max. 46	26 623 56	26 623 06
150	C	22.2 – 34.6	max. 46	26 623 57	26 623 07
185	C	22.2 – 34.6	max. 46	26 623 58	26 623 08
240	C	22.2 – 34.6	max. 46	26 623 59	26 623 09
300	C	22.2 – 34.6	max. 46	26 623 60	26 623 10

JC 24-HS incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.	
mm ²		mm	mm		
16 – 50	A	14.0 – 21.7	max. 26	on request	
50 – 95	B	18.2 – 26.7	max. 37	26 622 71	
95	B	18.2 – 26.7	max. 37	26 622 72	
95 RM – 240	C	22.2 – 34.6	max. 46	26 623 71	
95 RM – 300	C	22.2 – 34.6	max. 46	26 623 72	

Cold Shrink Straight Joint



Application:

JC 42 is a cold shrink straight joint with joint body made of silicone rubber and an outer protective heat shrinking tube, for plastic insulated cables up to 42 kV.

- quick, easy and convenient assembly
- pre expanded joint body on a patented spiral support pipe
- easy removable support pipe, reliable installation
- no need of special tools
- compact joint body with integrated stress control system
- use of various conductor connector types:
 - screw type
 - hexagonal pressing
- only three sizes covering the application range 185 - 1000 mm²
- further variants e.g. cross bonding upon request

Properties:

Maximal system voltage	42 kV
Partial discharge at 2 U ₀	< 10 pC
Alternating withstand voltage (AC, 5 min.)	93,6 kV
Direct withstand voltage (DC, 15 min.)	125 kV
Impulse withstand voltage	200 kV

Scope of delivery:

Joint body	1
Conductor connector	1
Outer heat shrink sleeve	1
Assembly instructions	1
Accessories	

Technical details for order for 6/10(12) kV cables

JC 42-HS incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.
mm²		mm	mm	
300	D	24.8 – 39.6	max. 51	26 775 01
300-400	D	24.8 – 39.6	max. 51	26 775 02
500	E	30.9 – 45.0	max. 61	26 778 73
630 RM	F	36.8 – 57.8	max. 68	26 779 73
800	F	36.8 – 57.8	max. 68	26 779 75

Technical details for order for 12/20(24) kV cables

JC 42-HS incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.
mm²		mm	mm	
150 RM - 300	D	24.8 – 39.6	max. 51	26 775 01
150 RM - 240	D	24.8 – 39.6	max. 51	26 775 03
185 - 400	D	24.8 – 39.6	max. 51	26 775 02
300 RM - 400	E	30.9 – 45.0	max. 61	26 778 72
500	E	30.9 – 45.0	max. 61	26 778 73
400 - 640	E	30.9 – 45.0	max. 61	26 778 75
500 RM - 630	F	36.8 – 57.8	max. 68	26 779 73
630 - 1000	F	36.8 – 57.6	max. 68	26 779 74
800	F	36.8 – 57.8	max. 68	26 779 75
1000 AI	F	36.8 – 57.8	max. 68	26 779 76
1000 RM - 1200 AI	H	48.4 – 66.6	max. 81	26 780 75
1000 RM - 1000 Cu	H	48.4 – 66.6	max. 81	26 780 75

Technical details for order for 18/30(36) kV cables

JC 42-HS incl. screw type connector for conductor and screening wires

Cross section	Size of joint body	Ø of core insulation (d1)	Ø of outer sheath (d2)	Ref. No.
mm²		mm	mm	
70 RM - 95	D	24.8 – 39.6	max. 51	26 775 04
95 - 240	D	24.8 – 39.6	max. 51	26 775 03
70 RM - 300	D	24.8 – 39.6	max. 51	26 775 01
185 - 300	D	24.8 – 39.6	max. 51	26 775 02
185 RM - 400	E	30.9 – 45.0	max. 61	26 778 72
400 - 630	F	36.8 – 57.8	max. 68	26 779 73
800	F	36.8 – 57.8	max. 68	26 779 75
1000 AI	F	36.8 – 57.8	max. 68	26 779 76
630 - 1000	F	36.8 – 57.8	max. 68	26 779 74
800 RM - 1200 AI	H	48.4 – 66.6	max. 81	26 780 75
800 RM - 1000 Cu	H	48.4 – 66.6	max. 81	26 780 75



Accessories

In addition to our main products of cable connection and termination technology, you will find in the following pages:

- divisions of multi-phase cables based on tape and wire shield constructions. On request, we will check the suitable division or earthing for you according to your cable data (Email: technik@nkt.com)
- further accessories for couplings, tests or terminations to our cable connector programme
- if you need further information on our cable lugs/ connectors/assembly material/pastes, please refer to the following pages for our products
- you can also obtain the necessary tools for processing the cables and installing our products from us - we will be happy to advise you on this (Email: technik@nkt.com)
- our pre-assembled cables for the connections between equipment facilitate the installation. Depending on the requirements, our products can be mounted on XLPE- or flexible cables and tested before delivery

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Trifurcating Set



Application:

ATS facilitates a single core breakout of a 3-core cable and seals the cable end. Insulating tubes protect the cores and semi-conductive stops provide a perfect match with terminations and cable connectors.

Scope of delivery:

Shrinkable sleeve	3 m
Breakout boot	1
Sealing tape	1
Assembly instructions	1
Accessories	

Technical details for order

ATS for cables with copper tape screen

type	Ø outer sheath (D)	Ø of core insulation (d)	Ref. No.
	mm	mm	
2	23 – 62	13 – 25	21 254 12
3	28 – 87	13 – 25	21 254 13
4	28 – 87	19 – 38	21 254 14
5	44 – 102	19 – 38	21 254 15
6	44 – 102	26 – 50	21 254 16
7	60 – 162	26 – 50	21 254 17
8	60 – 162	38 – 58	21 254 18

ATS for cables with wire screen

type	Ø outer sheath (D)	Ø of core insulation (d)	Ref. No.
	mm	mm	
2	23 – 62	13 – 25	21 252 12
3	28 – 87	13 – 25	21 252 13
4	28 – 87	19 – 38	21 252 14
5	44 – 102	19 – 38	21 252 15
6	44 – 102	26 – 50	21 252 16
7	60 – 162	26 – 50	21 252 17
8	60 – 162	38 – 58	21 252 18

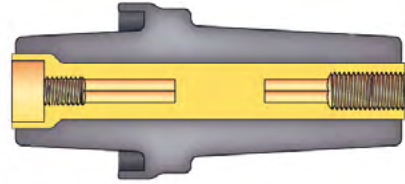
Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Accessories

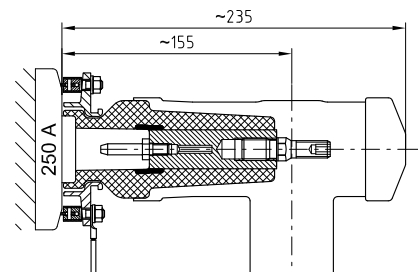
Coupling piece type CP 630 (1 set = 3 pieces)

Type	Thread	Matching for cable plug type	Ref. No.
CP 1250-C	M12	CB + CC	31 700 59
CP 630-M16	M16	CB + CC	31 700 50



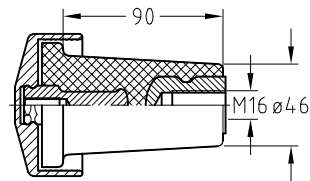
Connecting plug type K 250/630 for transition from 250 A to a 630 A bushing for connector type CB. (1 set = 3 pieces)

Type	Matching for cable plug type	Ref. No.
K 250/630	CB 24/36-630/1250 CB 24-630, CB 24-1250/2 (M12)	31 700 56

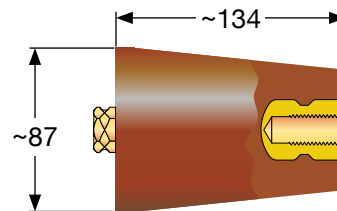


End plug type EAS (1 set = 3 pieces)

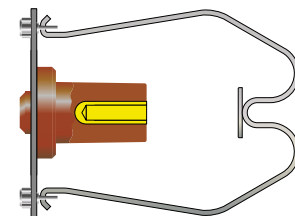
Type	Matching for cable plug type	Ref. No.
EAS 630 (Typ C)	CB 24/36-630/1250 CB 42-1250/3	31 700 42



Type	Matching for cable plug type	Ref. No.
EAS Typ F	CB 42-2500	26 573 06

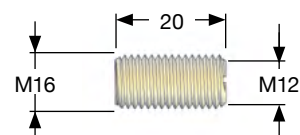


Type	Matching for cable plug type	Ref. No.
EAS 250	EASW without metal housing	31 700 44
EAS 250	EASW with metal housing	31 700 46
EAS 250	CE 24-250 without metal housing	31 700 48



Reducer M16 / M12 (1 piece)

Type	Ref. No.
M16/M12	31 475 57



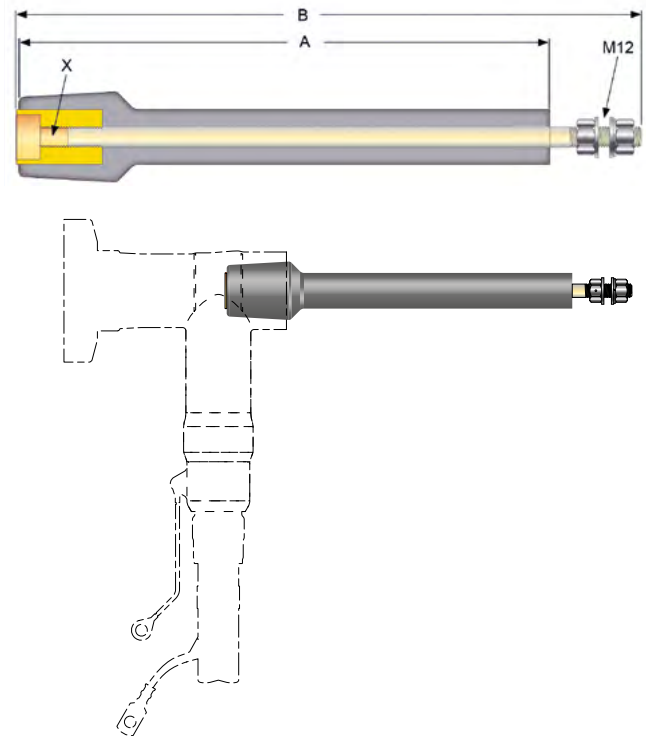
Accessories

Test adapter type PAK M12

Only for AC, DC and VLF-Test, test voltage max. 96 kV DC / VLF 0,1Hz max. 65 kV AC, not for partial discharge tests.

PAK for cable plugs type type CB + CC and AB + AC

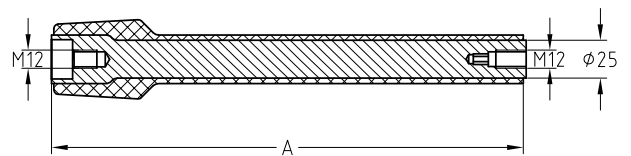
Thread	Dimension A	Dimension B	quantity per package	Ref. No.
	mm	mm		
M12	310	365	3	31 050 12
M12	460	515	3	31 050 35
M16	310	365	3	31 050 83
M16	460	515	3	31 050 39
M12	750	805	1	31 050 85
M16	750	805	1	31 050 95



Test adapter type PAK M12

PAK 800 for cable plugs type type CB + CC and AB + AC

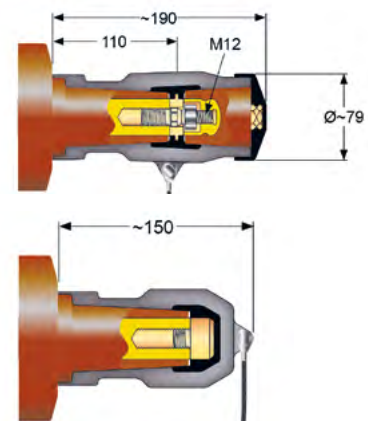
Thread	Dimension A	Ref. No.
	mm	
M12	310	31 050 72



End cover type C and asymmetrical bushing extender type C (1 set = 3 pieces)

Type	for bushings type	Backside thread	Ref. No.
CBC 40.5-630 M12	C	M12	31 800 08
CBC 40.5-630 M16	C	M16	31 800 13

Type	for bushings type	Ref. No.
CBC 36-400	B	31 800 06
CBC 36-630	C	31 800 07

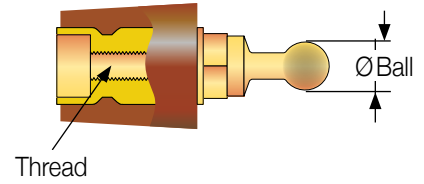


Accessories

Earthing adapter (1 set = 3 pieces)

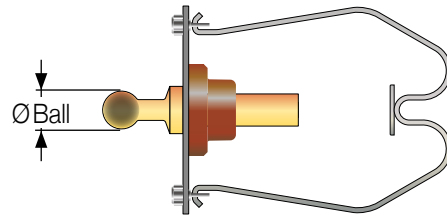
E20 or E25 for cable plugs type type CB + CC and AB + AC

Type	Ø Ball	Thread	Ref. No.
mm			
E20	20	M12	31 050 13
E20	20	M16	31 050 63
E25	25	M12	31 050 10
E25	25	M16	31 050 60



E250 for cable plugs type type EASW / CE 24-250

Type	Ø Ball	for bushings type	Ref. No.
mm			
E250	20	CE 24-250	31 050 55
E250	20	EASW	31 050 44
E250	25	CE 24-250	31 050 56
E250	25	EASW	31 050 45



Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories

Assembling Material

Name	Dimension	Unit	Ref. No.	Remarks
Al-tape, 20 m roll	10 x 1 mm	kg	10 025 30	
Al-tape, 50 m roll	50 mm	piece	10 025 69	Standard, for water tight sealing
Al-tape, 50 m roll	100 mm	piece	10 025 67	
Binding twine, 10 m roll	18/2 fach 18/2 fold	piece	17 370 01	
Sealing tape, green, 0.5 m	15 x 2 mm	piece	22 025 01	Standard
Sealing tape, grey, 0.6 m	25 x 3 mm	piece	21 475 15	
Sealing tape, black, 0.4 m	60 x 4 mm	piece	21 475 05	
EFGElit-tape, 7.5 m roll	20 x 0.2 mm	piece	21 475 01	
EFGElit-tape, 7.5 m roll	40 x 0.2 mm	piece	21 475 02	
Field control tape	600 mm x 30 mm x 3 mm	piece	21 475 03	
Field control tape	200 mm x 20 mm x 1 mm	piece	21 475 11	Standard
Self bonding tape, 9 m roll	19 x 0.75 mm	piece	21 418 01	
Self bonding tape, 4.5 m roll	19 x 0.75 mm	piece	21 418 03	
Cable tie, white	4.8 x 204 mm	piece	21 459 01	
Cable tie, black	4.8 x 204 mm	piece	10 135 63	
Cable tie, black, reusable	12 x 510 mm	piece	10 135 22	
Cable tape 80, 10 m roll	20 mm	piece	31 038 01	Glas filament tape to bundle cables
Self bonding tape, conductive, 4.5 m roll	18 x 0.75 mm	piece	21 419 03	
Self bonding tape, conductive, 0.5 m roll	18 x 0.75 mm	piece	21 419 02	
Semi-conductive varnish	10 ml	piece	10 015 05	
Mastic	5 g	piece	26 066 01	For screw type connector and cable lugs, suffices for two screw holes
Adhesiva tape, white, 10 m roll	20 x 0.15 mm	piece	10 078 11	
Emmery paper, 180 grit, 3 m roll	40 mm	piece	10 136 06	Sand free, for the insulation
Emmery paper, 400 grit, 3 m roll	40 mm	piece	10 136 07	Sand free, for the insulation
Emmery paper, 180 grit, 500 mm stripe	40 mm	piece	21 836 05	Sand free, for the insulation
Emmery paper, 60 grit, 300 mm stripe	50 mm	piece	21 836 03	For the outer sheath
Protection bag	160 x 70 mm	piece	21 521 10	Push on device for terminations
Protection bag	90 x 70 mm	piece	21 521 11	Push on device for connectors
Silver cord, dry, 200 g roll	2 mm Ø	piece	10 044 27	To remove the core insulation
Silver cord, dry, 2 m	2 mm Ø	piece	31 091 01	To remove the core insulation

Assembling Material

Lubrication and paste

Name	Content	Unit	Ref. No.	Remarks
Assembling paste, MV4	90 g	piece	21 527 37	
Assembling paste, MV3	60 g	piece	21 527 35	
Silicone grease AP	15 g	piece	21 527 11	
Cleaning tissue		piece	32 112 04	

Earthing strands and accessories

Name	Dimension	Unit	Ref. No.	Remarks
Ferrules	16 mm ² . L = 18 mm	piece	10 099 63	
	25 mm ² . L = 18 mm	piece	10 099 62	
	35 mm ² . L = 18 mm	piece	10 099 53	
Ferrules	Ferrules	piece	piece	
Cable HO7V-K, green/yellow	16 mm ²	m	10 120 70	
	25 mm ²	m	10 197 13	
	35 mm ²	m	10 197 95	
Cable HO7V-K, black	16 mm ²	m	10 126 22	
	25 mm ²	m	10 120 80	
	35 mm ²	m	10 120 69	
Copper gauze sleeve, tin plated	16 mm ² . 160 g/m	kg	10 180 10	
	25 mm ² . 220 g/m	kg	10 180 11	
	35 mm ² . 312 g/m	kg	10 180 09	
Contact plate	55 x 30 mm	piece	26 018 01	For earthing of Al tape screen
Copper wire, tin plated, 10 m Roll	1.5 mm Ø	piece	17 339 16	
Copper wire, tin plated, 15 m Roll	1.5 mm Ø	piece	17 339 24	
Copper raid tape, tin plated, 3 x 2.5 m roll	25 mm	piece	21 798 03	
Copper raid tape, tin plated, 3 m roll	45 mm	piece	21 798 20	
Constant force spring	Ø 16 mm x 16 mm	piece	10 099 88	Application range 20 – 30 mm
Constant force spring	Ø 23 mm x 16 mm	piece	10 099 89	Application range 25 – 45 mm
Constant force spring	Ø 30 mm x 25 mm	piece	10 186 04	Application range 35 – 72 mm
Constant force spring	Ø 44 mm x 20 mm	piece	10 186 23	Application range 55 – 92 mm
Steel-armouring tape, 10 m roll	100 mm	piece	56 111 97	

Assembling Material

Earthing set for tape screened 1-core cables

Name	Size	Unit	Ref. No.	Remarks
Copper tape screen	16 mm ²	Set	72152432	
Copper tape screen	25 mm ²	Set	72152433	
Copper tape screen	35 mm ²	Set	72152434	
Al-laminated screen	2	Set	31 500 39	
Al-laminated screen	3	Set	26 587 27	

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



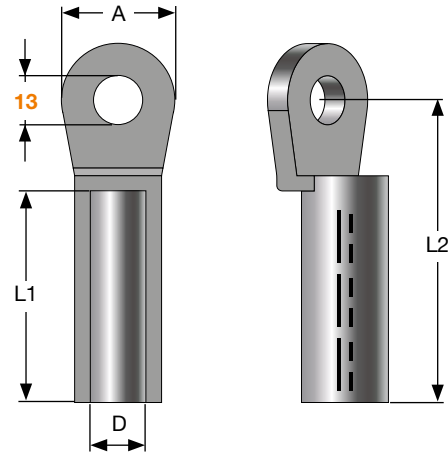
Crimp Type Cable Lugs for Terminations

Type TI + TO

Longitudinally sealed **aluminium** cable lugs, **tin plated**, for indoor and outdoor, according to DIN 46329

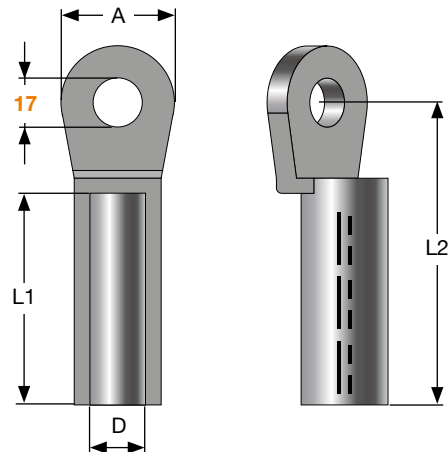
Cable lugs for bolts M12

Cross section RMV / RM / SM	Dimension Die code	Ref. No.				
		L1 min.	L2	A	D	
mm ²		mm	mm	mm	mm	
25	12	30	50	25	6.8	31 779 01*
35	14	42	62	25	8	31 779 02*
50	16	42	62	25	9.8	31 779 03*
70	18	52	72	25	11.2	31 779 04*
95	22	56	75	25	13.2	31 779 05*
120	22	56	80	30	14.7	31 779 06*
150	25	60	90	30	16.3	31 779 08*
185						31 779 19
240						31 779 20
300						31 779 21



Cable lugs for bolts M16

Cross section RMV / RM / SM	Dimension Die code	Ref. No.				
		L1 min.	L2	A	D	
mm ²		mm	mm	mm	mm	
185	28	60	91	30	18.3	31 779 09*
240	32	70	103	38	21	31 779 10*
300	34	70	103	38	23.3	31 779 11*
400	38	73	116	38	26	31 779 12*
500	44	79	122	44	29	31 779 13*
630	52	91	135	52	32	31 779 14*



Sector shaped conductors must be rounded

* = preferred type

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



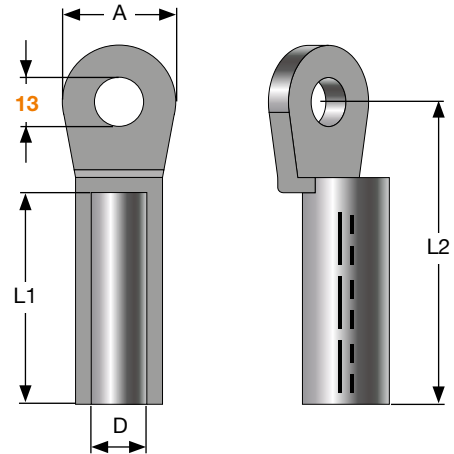
Crimp Type Cable Lugs for Terminations

Type TI + TO

Longitudinally sealed **aluminium** cable lugs, **uncoated**, for indoor, according to DIN 46329

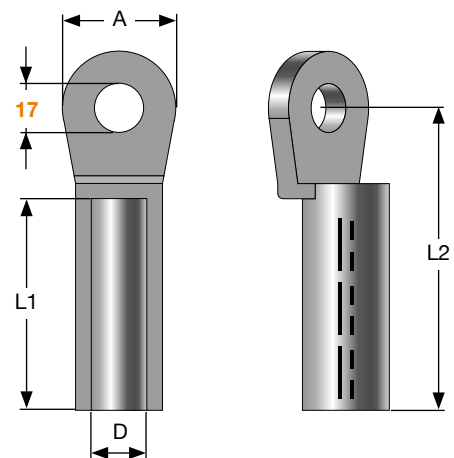
Cable lugs for bolts M12

Cross section RMV / RM / SM	Dimension Die code	Dimension				Ref. No.
		L1 min.	L2	A	D	
mm ²		mm	mm	mm	mm	
25	12	30	50	25	6.8	21 596 01*
35	14	42	62	25	8	21 596 02*
50	16	42	62	25	9.8	21 596 03*
70	18	52	72	25	11.2	21 596 04*
95	22	56	75	25	13.2	21 596 05*
120	22	56	80	30	14.7	21 596 06*
150	25	60	90	30	16.3	21 596 08*



Cable lugs for bolts M16

Cross section RMV / RM / SM	Dimension Kennzahl Die code	Dimension				Ref. No.
		L1 min.	L2	A	D	
mm ²		mm	mm	mm	mm	
120	22	56	80	30	14.7	21 596 07
185	28	60	91	30	18.3	21 596 09*
240	32	70	103	38	21	21 596 10*
300	34	70	103	38	23.3	21 596 11*
400	38	73	116	38	26	21 596 12*
500	44	79	122	44	29	21 596 13*
630	52	91	135	52	32	21 596 14*



Sector shaped conductors must be rounded

* = preferred type

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



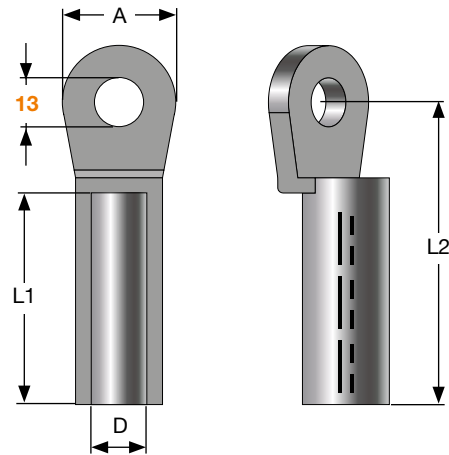
Crimp Type Cable Lugs for Terminations

Type TI + TO

Longitudinally sealed **copper** cable lugs, **tin plated**, for indoor and outdoor

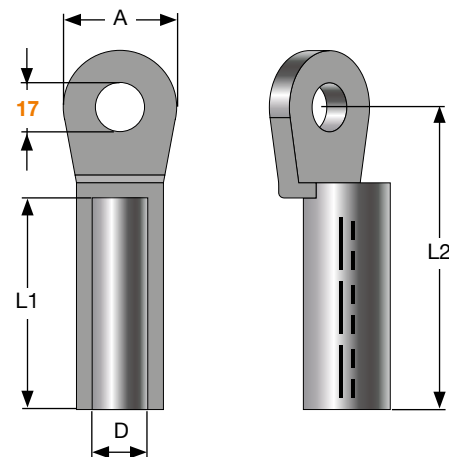
Cable lugs for bolts M12

Cross section RMV / RM	Dimension Die code	Ref. No.				
		L1 min.	L2	A	D	
mm ²		mm	mm	mm	mm	
25	10	20	38	24	7	31 557 02*
35	12	20	40	24	8.2	31 557 03*
50	14	28	45	24	10	31 557 04*
70	16	28	48	24	11.5	31 557 05*
95	18	35	57	26	13.5	31 557 06*
120	20	35	58	30	15.5	31 557 07*
150	22	35	59	30	17	31 557 08*
185	25	40	69	30	19	31 557 59
240	28	40	74	38	21.5	31 557 60
300	32	50	85	38	24.5	31 557 61
630						56 111 36



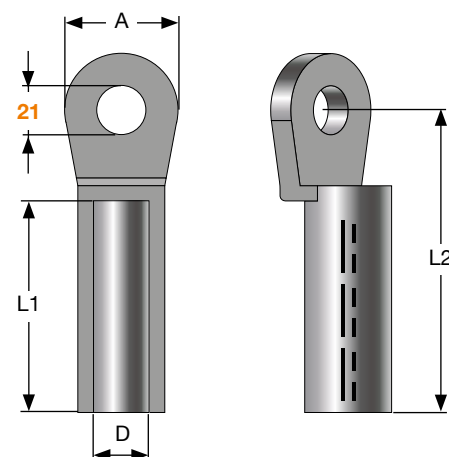
Cable lugs for bolts M16

Cross section RM / RMV	Dimension Die code	Ref. No.				
		L1 min.	L2	A	D	
mm ²		mm	mm	mm	mm	
70	16	28	53	30	11.5	31 557 80
95	18	35	60	30	13.5	31 557 81
120	20	35	62	30	15.5	31 557 82
150	22	35	63	30	17	31 557 83
185	25	40	68	30	19	31 557 09*
240	28	40	68	38	21.5	31 557 10*
300	32	50	83	38	24.5	31 557 11*
400	38	70	96	38	27.5	31 557 12*
630	44	80	115	44	27.5	56 104 03



Cable lugs for bolts M20

Cross section RM / RMV	Dimension Die code	Ref. No.				
		L1 min.	L2	A	D	
mm ²		mm	mm	mm	mm	
500	42	70	114	44		31 557 13*
630	44	80	125	44		56 111 89*



* = preferred type

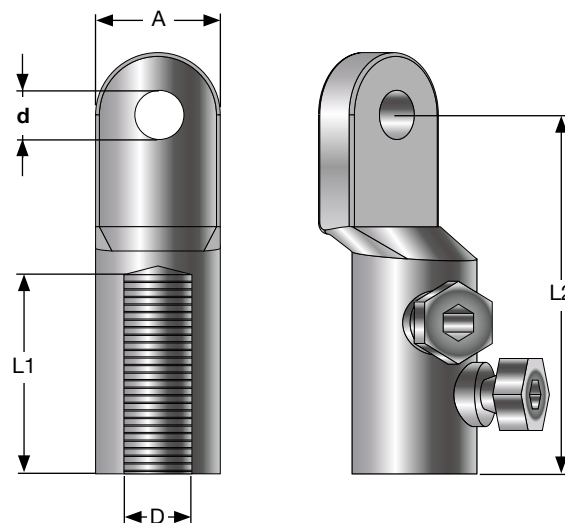
Screw Type Cable Lugs for Terminations

Type TI + TO

Screw type cable lugs, **tin plated**, for indoor and outdoor

Cross section					Dimension					Ref. No.
Al RMV Al round compacted mm ²	Al RM Al round stranded mm ²	Al RE Al round solid mm ²	Cu RMV Cu round compacted mm ²	Cu RM Cu round stranded mm ²	L1 mm	L2 mm	A mm	D mm	d mm	
16 – 95	16 – 70	16 – 95	16 – 95	16 – 70	32	60	24	12.5	13	26 098 30*
16 – 95	16 – 70	16 – 95	16 – 95	16 – 70	32	60	24	12.5	17	26 098 30*
50 – 150	50 – 120	50 – 150	35 – 120	35 – 120	36	79	30	15.5	13	26 098 29*
50 – 150	50 – 120	50 – 150	35 – 120	35 – 120	36	79	30	15.5	17	26 098 39
95 – 240	95 – 185	95 – 240	95 – 240	95 – 185	56	95	33	20	13	26 098 28*
95 – 240	95 – 185	95 – 240	95 – 240	95 – 185	56	95	33	20	17	26 098 38
120 – 300	120 – 300	120 – 300	120 – 300	120 – 300	65	105	38	25	13	26 098 37
120 – 300	120 – 300	120 – 300	120 – 300	120 – 300	65	105	38	25	17	26 098 35*
185 – 400	185 – 300	185 – 240/400	185 – 400	185 – 300	82	120	42	26	13	26 098 24
185 – 400	185 – 300	185 – 240/400	185 – 400	185 – 300	82	120	42	26	17	26 089 32*
400 – 630	400 – 630	400 – 800	400 – 630	400 – 630	94	130	52	34	13	26 098 36
400 – 630	400 – 630	400 – 800	400 – 630	400 – 630	94	130	52	34	17	26 098 19
400 – 630	400 – 630	400 – 800	400 – 630	400 – 630	94	130	52	34	20	26 098 20*
630 – 1000	630 – 800	630 – 1000	630 – 1000	630 – 800	105	165	65	41	17	26 098 22
630 – 1000	630 – 800	630 – 1000	630 – 1000	630 – 800	105	165	65	41	21	26 735 02

* = preferred type



The number of screws may vary.

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories

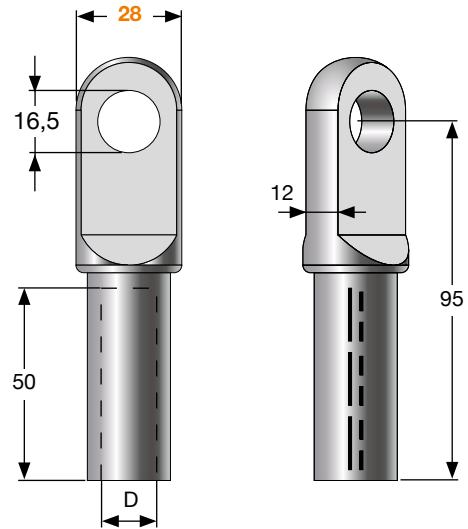


Cable Lugs for Connectors

Crimp type cable lugs for connector type CB + CC, with 28 mm wide lug

Aluminium cable lugs, tin plated

Cross section	Die code	Dimension D	Ref. No.
mm ²		mm	
25	12	6.8	26 014 21
35	14	8.0	26 014 22
50	16	9.0	26 014 23
70	18	11.0	26 014 24
95	22	12.5	26 014 25
120	22	14.0	26 014 26
150	25	15.5	26 014 27
185	28	17.5	26 014 28
240	32	20.0	26 014 29
300	34	22.0	26 014 30



Copper cable lugs

Cross section	Die code	Dimension D	Ref. No.
mm ²		mm	
25	10	7.0	31 503 21
35	12	8.2	31 503 22
50	14	10.0	31 503 23
70	16	11.5	31 503 24
95	18	13.5	31 503 25
120	20	15.5	31 503 26
150	22	17.0	31 503 27
185	25	19.0	31 503 28
240	28	21.5	31 503 29
300	32	24.5	31 503 30

matching for:
 CB 12 / 24 / 36 – 630
 CC 12 / 24 / 36 – 630

Screw type cable lugs for connector type CB + CC, with 28 mm wide lug

Cross section					Ref. No.
Al RMV Al round compacted	Al RM Al round stranded	Al RE Al round solid	Cu RMV Cu round compacted	Cu RM Cu round stranded	
mm ²	mm ²	mm ²	mm ²	mm ²	
16 – 95	16 – 70	16 – 95	16 – 95	16 – 70	26 098 08
50 – 150	50 – 120	50 – 150	35 – 120	35 – 120	26 098 07
95 – 240	95 – 185	95 – 240	95 – 240	95 – 185	26 098 06
70 – 240	70 – 185	70 – 240	70 – 240	70 – 185	26 099 06
70 – 300	70 – 240	70 – 300	70 – 300	70 – 240	26 097 01

Cable Lugs for Connectors

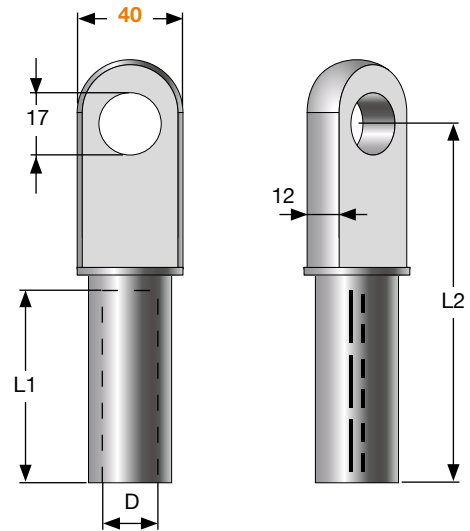
Crimp type cable lugs for connector type CB + CC, with 40 mm wide lug

Aluminium cable lugs, tin plated

Cross section mm ²	Dimension	L1 mm	L2 mm	D mm	Ref. No.
	Die code				
300	34	70	115	23.3	26 335 40
400	38	92	137	26.0	26 335 41
500	44	92	137	29.0	26 335 42

Copper cable lugs

Cross section mm ²	Dimension	L1 mm	L2 mm	D mm	Ref. No.
	Die code				
240	28	60	105	21.5	26 336 39
300	32	70	115	24.5	26 336 40
400	38	70	115	27.5	26 336 41
500	42	70	115	31.0	26 336 42



matching for:
CB 24 – 1250/2
CC 24 – 1250/2

Screw type cable lugs for connector type CB + CC, with 40 mm wide lug

Cross section Al RMV Al round compacted mm ²	Al RM Al round stranded mm ²	Al RE Al round solid mm ²	Cu RMV Cu round compacted mm ²	Cu RM Cu round stranded mm ²	Ref. No.
95 – 300	–	95 – 400	95 – 300	–	26 097 57
300 – 500	–	300 – 500	300 – 500	–	26 099 56

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories

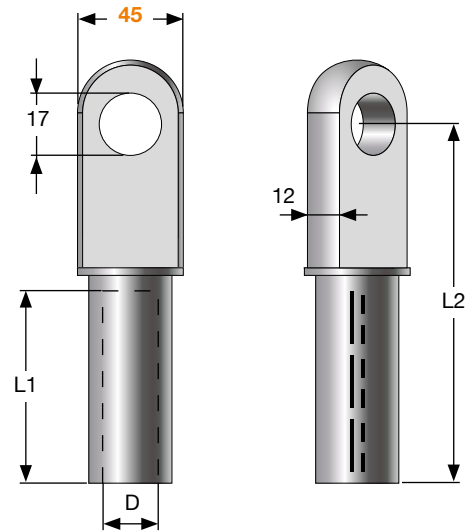


Cable Lugs for Connectors

Crimp type cable lugs for connector type CB + CC, with 45 mm wide lug

Aluminium cable lugs, tin plated

Cross section mm ²	Dimension Die code	Dimension			Ref. No.
		L1 mm	L2 mm	D mm	
240	32	50	119	20.0	26 335 09
300	34	89	143	23.3	26 335 10
400	38	96	165	26.0	26 335 11
500	44	96	165	29.0	26 335 12
630	52	130	200	35.0	26 335 13



Copper cable lugs

Cross section mm ²	Dimension Die code	Dimension			Ref. No.
		L1 mm	L2 mm	D mm	
240	28	52	121	21.5	26 336 09
300	32	52	121	24.5	26 336 10
400	38	74	143	27.5	26 336 11
500	42	74	143	31.0	26 336 12
630	44	80	149	34.5	26 336 13
800	52	100	169	40	26 336 14

matching for:
CB 36 – 630 (1250)
CC 36 – 630 (1250)

Screw type cable lugs for connector type CB + CC, with 45 mm wide lug

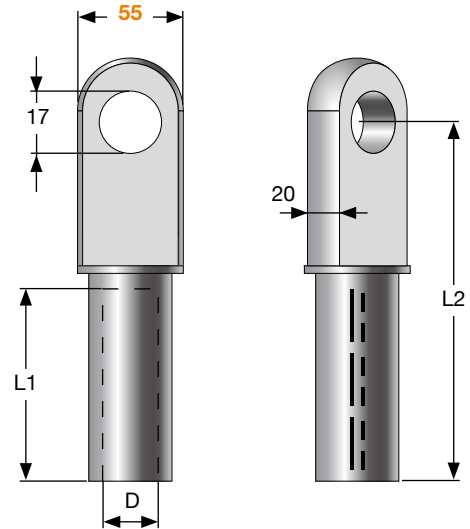
Cross section			Cross section		Ref. No.
Al RMV Al round compacted mm ²	Al RM Al round stranded mm ²	Al RE Al round solid mm ²	Cu RMV Cu round compacted mm ²	Cu RM Cu round stranded mm ²	
50 – 300	50 – 240	50 – 300	50 – 300	50 – 240	26 097 41
120 – 300	–	120 – 300	120 – 300	–	26 735 41
300 – 630	300 – 630	300 – 630	300 – 630	300 – 630	26 097 40
400 – 630	400 – 630	400 – 630	400 – 630	400 – 630	26 098 17
400 – 630	400 – 630	400 – 630/800	400 – 630	400 – 630	26 098 14

Cable Lugs for Connectors

Crimp type cable lugs for connector type CB + CC, with 55 mm wide lug

Aluminium cable lugs, tin plated

Cross section mm ²	Dimension Die code	L1	L2	D	Ref. No.
		mm	mm	mm	
95	22	50	134	12.5	26 335 65
120	22	50	134	14.0	26 335 66
150	25	50	134	15.5	26 335 67
185	28	50	134	17.5	26 335 68
240	32	50	134	20.0	26 335 69
300	34	70	154	23.3	26 335 70
400	38	92	176	26.0	26 335 71
500	44	92	176	29.0	26 335 72
630	52	94	178	35.0	26 335 73



Copper cable lugs

Cross section mm ²	Dimension Die code	L1	L2	D	Ref. No.
		mm	mm	mm	
95	18	50	134	13.5	26 336 65
120	20	50	134	15.5	26 336 66
150	22	50	134	17.0	26 336 67
185	25	50	134	19.0	26 336 68
240	28	50	134	21.5	26 336 69
300	32	50	134	24.5	26 336 70
400	38	70	154	27.5	26 336 71
500	42	70	154	31.0	26 336 72
630	44	70	154	34.5	26 336 73
800	52	94	178	40.0	26 336 74
1000	58	94	178	44.0	26 336 75

matching for:
 CB 42 – 1250/3
 CB 42 – 2500
 CC 42 – 2500

Screw type cable lugs for connector type CB + CC, with 55 mm wide lug

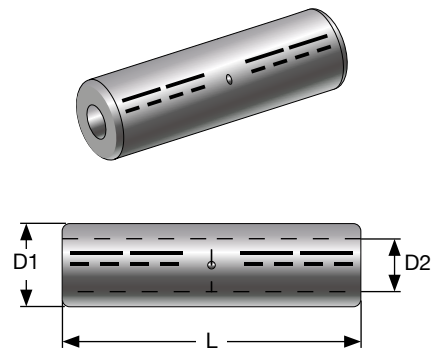
Cross section			Cross section		Ref. No.
Al RMV Al round compacted mm ²	Al RM Al round stranded mm ²	Al RE Al round solid mm ²	Cu RMV Cu round compacted mm ²	Cu RM Cu round stranded mm ²	
95 – 240	95 – 185	95 – 240	95 – 240	95 – 185	26 735 12
240 – 500	–	240 – 500	240 – 500	–	26 735 36
630 – 1000	630 – 1000	630 – 1000	630 – 800	630 – 800	26 098 55

Conductor Connectors for Joints Type JS

Non tension conductor connectors

Aluminium connectors

Cross section mm ²	Dimension Die code	Dimension			Ref. No.
		L	D1	D2	
		mm	mm	mm	
25	12	70	12	6.8	17 332 21
35	14	85	14	8	17 332 22
50	16	85	16	9.8	17 332 53
70	18	79	18	11	31 320 04
95	22	79	22	12.5	31 320 05
120	22	79	22	14	31 320 06
150	25	79	25	15.5	31 320 07
185	28	98	28	17.5	31 320 08
240	32	98	32	20	31 320 09
300	34	98	34	22	31 320 10
400	38	210	38.5	26	17 332 61
500	44	210	44	29	17 332 62
630	52	200	52.5	32	31 022 23



Copper connectors according to DIN 46 267

Cross section mm ²	Dimension Die code	Dimension			Ref. No.
		L	D1	D2	
		mm	mm	mm	
25	10	50	10	7	21 401 04
35	12	50	12.5	8.2	21 401 05
50	14	56	14.5	10	21 401 06
70	16	56	16.5	11.5	21 401 07
95	18	70	19	13.5	21 401 08
120	20	70	21	15.5	21 401 09
150	22	80	23.5	17	21 401 10
185	25	85	25.5	19	21 401 11
240	28	90	29.0	21.5	21 401 12
300	32	100	32	24.5	21 401 13
400	38	150	38.5	27.5	21 401 14
500	42	160	42	31	21 401 15
630	44	160	44	34.5	21 401 16

Conductor Connectors for Joints Type JS

Screw type connectors for joints type JS

Cross section Al RMV Al round compacted mm ²	Al RM Al round stranded mm ²	Al RE Al round s olid mm ²	Cu RMV Cu round compacted mm ²	Cu RM Cu round stranded mm ²	Diameter mm	Length mm	Ref. No.
16 – 95	16 – 70	16 – 95	16 – 95	16 – 70	24	70	31 510 64
50 – 150	50 – 120	50 – 150	35 – 120	35 – 120	30	85	31 510 65
95 – 240	95 – 185	95 – 240	95 – 240	95 – 185	33	120	31 510 66
120 – 300	120 – 300	120 – 300	120 – 300	120 – 300	38	142	31 510 42
400 – 630	400 – 630	400 – 800	400 – 630	400 – 500	52	200	56 113 14

Call Hiko Power on 0800 473 999
 NZ's distributor of NKT cable accessories



Screen Cable Lugs and Accessories

Crimp type copper cable lugs for earthing strands, tin plated

Cross section mm²	for bolt	Ref. No.
16	M10	21 595 72
25	M10	21 595 73
35	M10	21 595 74
16	M12	21 595 62
25	M12	21 595 63
35	M12	21 595 64
50	M12	21 595 65
70	M12	21 595 66
25	M16	21 595 83
35	M16	21 595 84
50	M16	21 595 85
70	M16	21 595 86

Cross section mm²	for bolt	Ref. No.
2.5	M10	31 500 68
16	M10	21 740 01
25	M10	21 740 02
16 + 25	M10	21 740 54
35	M10	21 740 03

Screw type cable lugs for screening wires

Cross section mm²	for bolt	Ref. No.
10 – 50	M10	26 098 51
10 – 50	M12	26 098 52

Reduction sleeves for copper crimp type cable lugs and connectors

Cross section cable lug/connector mm²	Cross section cable mm²	Ref. No.
25	16	26 010 02
35	25	26 010 05
50	35	26 010 08
70	50	26 010 11
95	70	26 010 15
120	95	26 010 19
150	120	26 010 27
185	150	26 010 31
240	185	26 010 35
300	240	26 010 39
400	300	26 010 42

AlCu-washers

for bolt	Ø inner mm	Ø outer mm	thickness mm	Ref. No.
M 8	8.5	18	1	26 033 14
M 10	11	21	2	26 033 15
M 12	12.5	28	2	26 033 16
M 16	17	35	2	26 033 18
M 20	21	42	2	26 033 19

For indoor application, uncoated cable lugs may be mounted directly onto copper bars. In case of outdoor use, tin plated cable lugs are necessary. In special cases, also AlCu- washers may be utilized.

Screen Connectors

Crimp type copper connector

Cross section	Ref. No.
mm²	
16	21 401 03
25	21 401 04
35	21 401 05

Screw type connector

Cross section	Ref. No.
mm²	
16 – 35	31 510 52
10 – 50	31 510 55

Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories



Tools for Medium Voltage Cables

Dielectric Screen Cutting

The DSC dielectric screen cutting tool allows an easy removal of the solid extruded outer conductive layer on XLPE insulated cables. The DSC tool has a fixed cutting depth of 0.7 mm which means a simple operation and always homogeneous cutting, a knife with 1 mm cutting depth is also available. The set consists of the tool, a spare knife and a hexagon socket screw key in a tool box.



	Ref. No.
Dielectric screen cutting tool set, for core insulation up to Ø 40 mm 10 kV: 16 mm ² – 630 mm ² 20 kV: 16 mm ² – 500 mm ² 30 kV: 16 mm ² – 400 mm ²	56 103 82
Spare blade, cutting depth 0.7 mm	56 104 21
Spare blade, cutting depth 1.0 mm	26 299 02

Insulation cutter

- To remove core insulation
- Longitudinal and axial cut with separate blades
- Cutting depth limiter
- Exchangeable blades
- Full metal body



	Ref. No.
Insulation cutter	56 107 07
Spare blade	56 103 71

Tools for Medium Voltage Cables

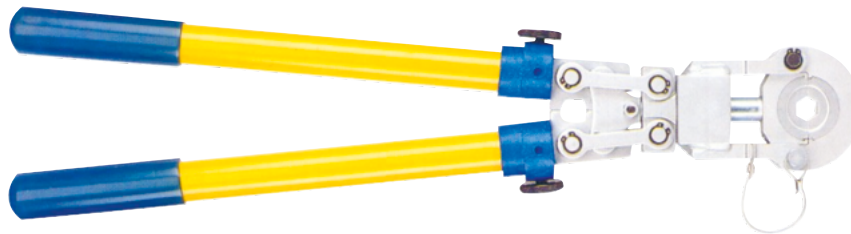
Compression tool K22

Compression tool K 22 for interchangeable dies, with crimphead, rotates through 360°, with telescopic handles for crimping cable lugs and crimp-on connectors. Length: infinitely adjustable from 560 to 860 mm. Weight: approx. 2.5 kg

Ref. No.

Compression tool K22 for crimping cable lugs and crimp-on connectors for copper and aluminium conductors up to 240 mm² as well as circular pressing of sector conductors up to 300 mm² 31 585 05

Sheet steel case MK 22 for storing 17 pairs of pressing dies as well as compression tool K22, with lock and carrying handle. Weight: approx. 3.5 kg 31 586 05



Dies according to DIN 48083 part 4, for copper crimp cable lugs and connectors to DIN 46 235 hexagonal pressing, pressing width 5 mm

mm²	10	16	25	35	50	70	95	120	150	185	240	300
Ref. No.	31 584 02	31 584 03	31 584 04	31 584 05	31 584 06	31 584 07	31 584 08	31 584 09	31 584 10	31 584 11	31 584 12	31 584 13
Die code no.	6	8	10	12	14	16	18	20	22	25	28	32

Dies according to DIN 48083 part 4, for aluminium compression cable lugs and connectors to DIN 46 239 hexagonal pressing, pressing width 7 mm up to 185 mm², 5 mm up to 240 mm²

mm²	10	16 – 25	35	50	70	95 – 120	150	185	240	300
Ref. No.	31 584 21	31 584 22	31 584 23	31 584 24	31 584 25	31 584 26	31 584 27	31 584 28	31 584 29	31 584 30
Die code no.	10	12	14	16	18	22	25	28	32	34

Dies for circular crimping of Al and Cu sector conductors (for 3 and 4 conductor sector cable). Circular crimping width = 19.5 mm.

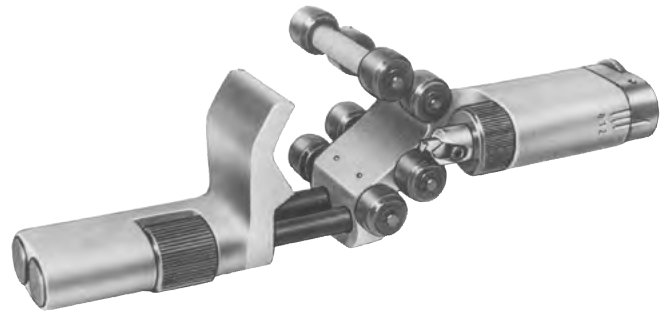
se mm²	–	–	35	50	70	95	120	150	185	240	300
sm mm²	10	16	25	35	50	70	95	120	150	185	240
Conductor Ø	4.1	5.1	6.3	7.5	9	10.5	12.5	14	15.8	17.5	20.3
Ref. No.	31 584 41	31 584 42	31 584 43	31 584 44	31 584 45	31 584 46	31 584 47	31 584 48	31 584 49	31 584 50	31 584 51

Please ask for our tool list for further tools.

Tools for Medium Voltage Cables

Cable sheath cutter

Cable sheath cutter removes outer cable sheaths and is adjustable for sheath thickness up to 8 mm. Its knife is designed to lift the outer sheath at the cutting point in order to avoid damages of the screening. The knife has two preset positions for the progress of the spiral cut and one position to finish the cutting process.



Ref. No.

Standard cable sheath cutter tool, for outer sheath Ø 15 – 50 mm 10 kV: 25 mm ² – 500 mm ² 20 kV: 25 mm ² – 400 mm ² 30 kV: 25 mm ² – 300 mm ²	56 108 46
---	-----------

Spare knife for standard cable sheath cutter tool set	56 108 48
---	-----------

Large cable sheath cutter tool set, for outer sheath Ø 32 – 70 mm 10 kV: 240 mm ² – 1000 mm ² 20 kV: 120 mm ² – 1000 mm ² 30 kV: 50 mm ² – 1000 mm ²	56 113 15
---	-----------

Spare knife for large cable sheath cutter tool set	56 113 17
--	-----------

Plastic insert to remove the core insulation from plastic insulated round cables	56 108 47
--	-----------

Holding tool for screw type connector and screw type cable lugs

- For safe and easy holding of the screw type connector during assembly
- Helps to avoid bending of the conductor during the connecting process.
- Usable for all size connectors
- Full metal body
- Length: approx. 40 cm
- Max. diameter of the cable lug or screw connector: 52mm. Not insulated.

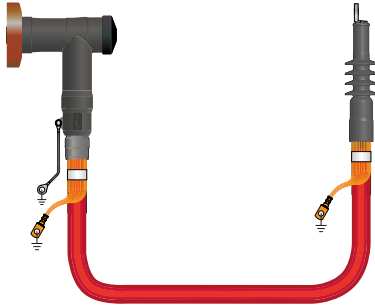


Ref. No.

Holding tool	53 649 87
--------------	-----------

Please ask for our tool list for further tools.

Pre-Assembled Connection Cables



Connection between switchgear and transformer with insulators:

Pre-assembled connection cables simplify assembly and commissioning of medium voltage compact stations, switchgear, transformers, generators and motors.

Qualified specialists of NKT pre-assemble connection cables for various applications.

Depending on the specification, XLPE or flexible cables are used. The required terminations and connectors are installed on the cable according to customer specification.

All pre-assembled cables are electrically tested in NKT laboratory prior to despatch. This ensures reliable performance. Upon request the wide range of own

power cable accessories can be completed with products from other manufacturers.

Requested customer specification:

- nominal voltage
- description of required cable type
- length of connection line
- position of screening wire connection and length
- equipment interfaces
- required types of cable accessories

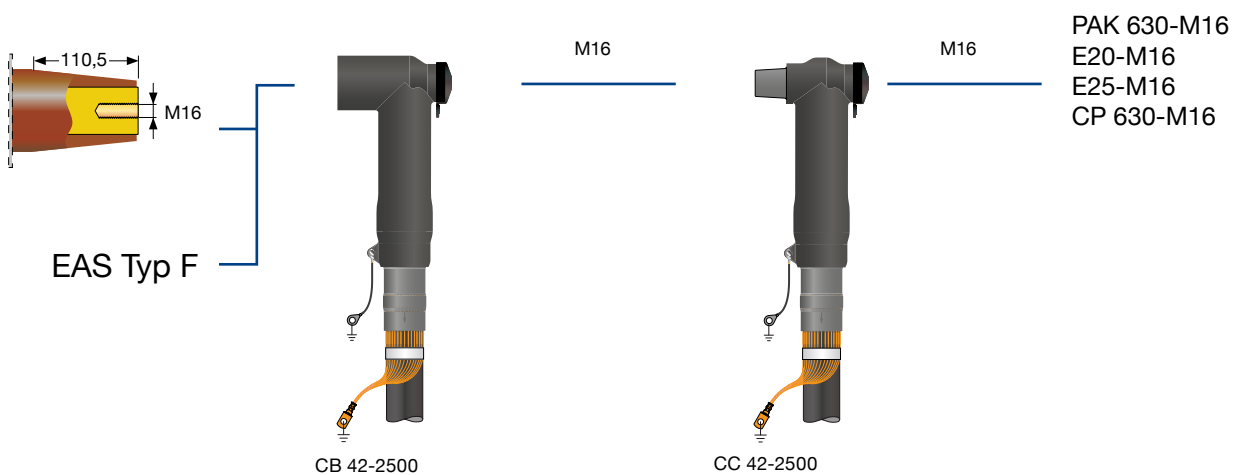
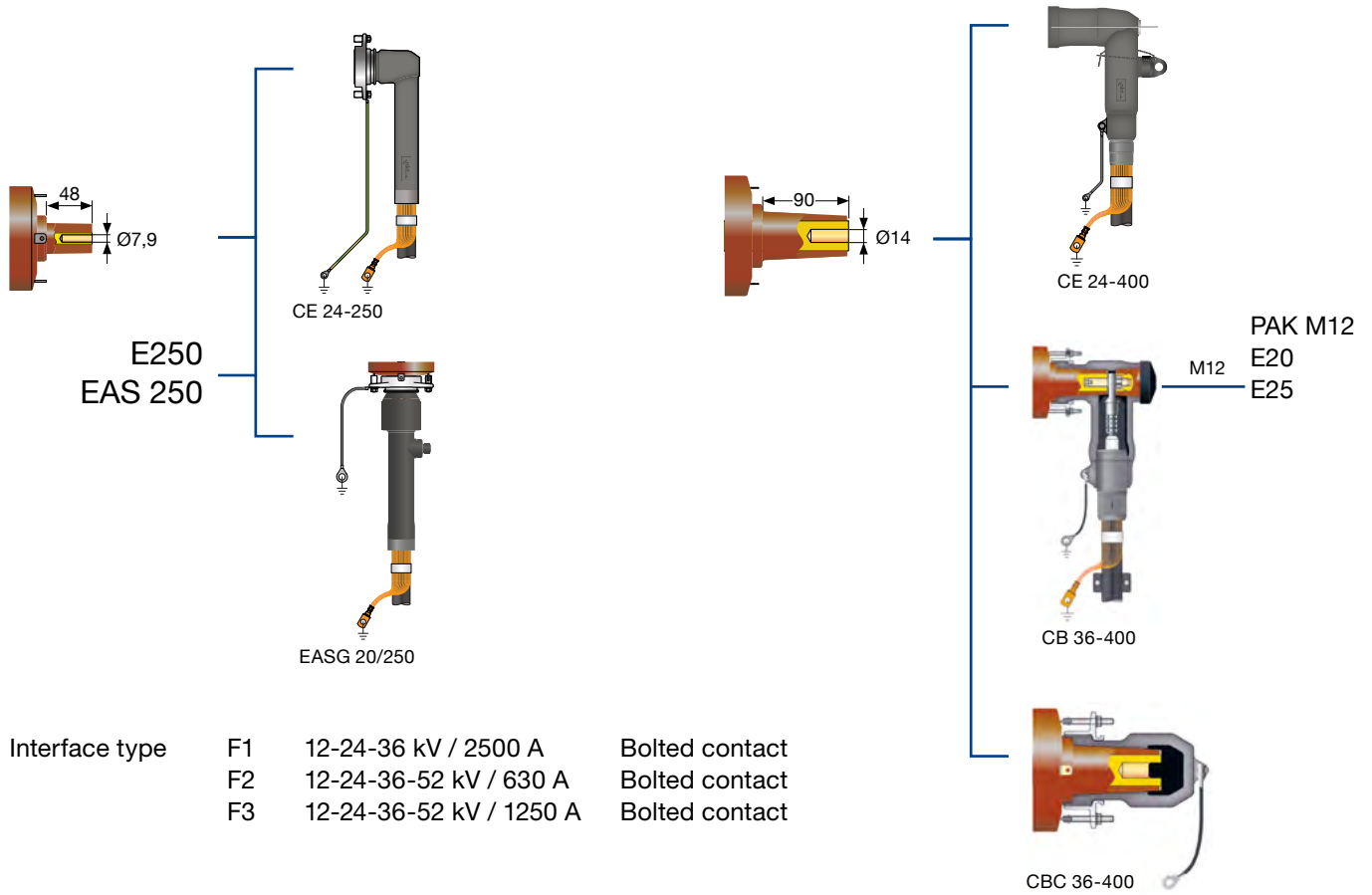
Connection Types According to EN 50180/50181 and Coupling Possibilities

Interface type A 12 – 24 kV / 250 A

Sliding contact

Interface type B 12-24-36 kV / 400 A

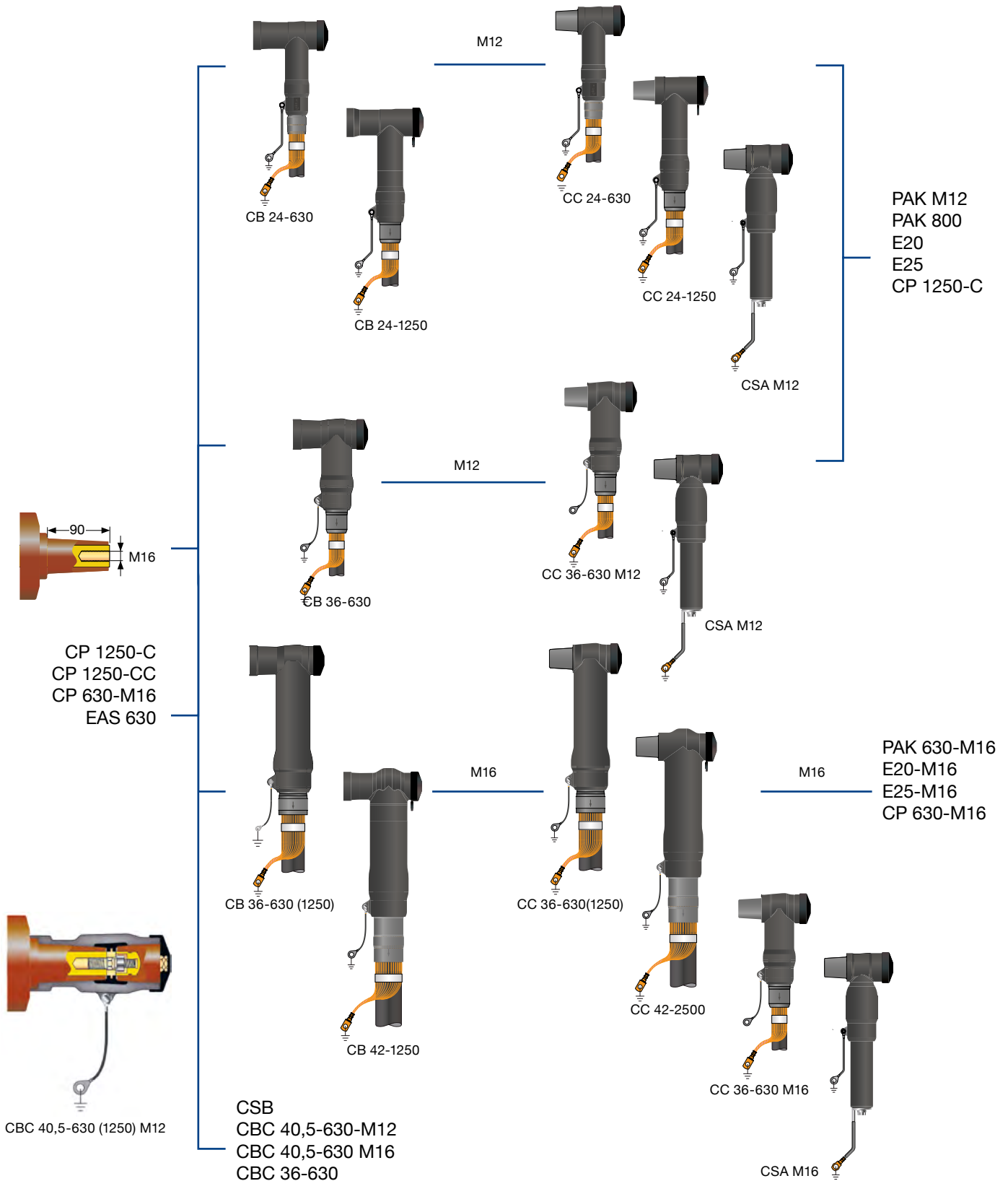
Sliding contact



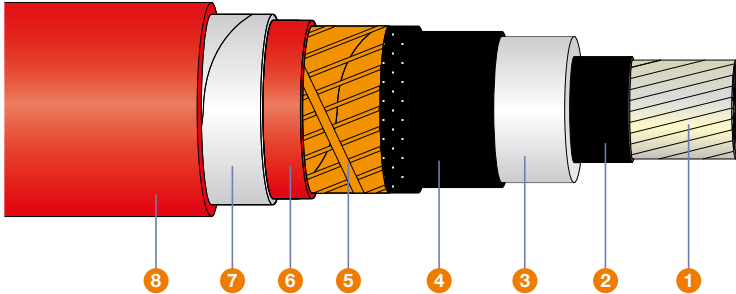
Connection Types According to EN 50180/50181 and Coupling Possibilities

Interface type C1 12-24-36 kV / 630 A Bolted contact

Interface type C2 12-24-36 kV / 1250 A Bolted contact



Cable Data Sheet for the Specification of Accessories



Complete cable name: _____ Cable manufacturer: _____

Cable type: Single core 3-core, common screen 3-core, screen over each core

Conductor: Aluminium Copper Cross section _____ mm²

1 Conductor design: Round, stranded Round, solid Round, multiwire (flexible)
 Sector, stranded Sector, solid

Nominal voltage: 3.6/6 (7.2) kV 6/10 (12) kV 6.35/11 (12) kV 8.7/15 (17.5) kV
 12/20 (24) kV 12.7/22 (24) kV 18/30 (36) kV 19/33 (36) kV
 20.8/36 (42) kV 26/35 (40.5) kV _____

Ø Conductor _____ mm Ø over insulation _____ mm Ø over conductive layer _____ mm

3 Insulation: XLPE EPR _____

4 Outer conductive layer: Solid extruded Strippable Graphite

5 Screen: Copper wire Copper tape Al laminate
 _____ mm² _____ mm² _____ mm²

6 Inner sheath: No Yes Diameter: _____ mm

7 Armouring: No Yes Material: _____ mm

Round wire Flat wire Tape Current carrying

8 Ø Outer sheath: _____ mm

Certificates

NKT is certified according to all main international standards and at all locations. Medium voltage cable accessories from NKT are produced in Nordenham (Germany). All certificates are available on our websites.



Call Hiko Power on 0800 473 999
NZ's distributor of NKT cable accessories





NKT is signatory of the Europacable Industry Charter: A commitment towards superior quality.