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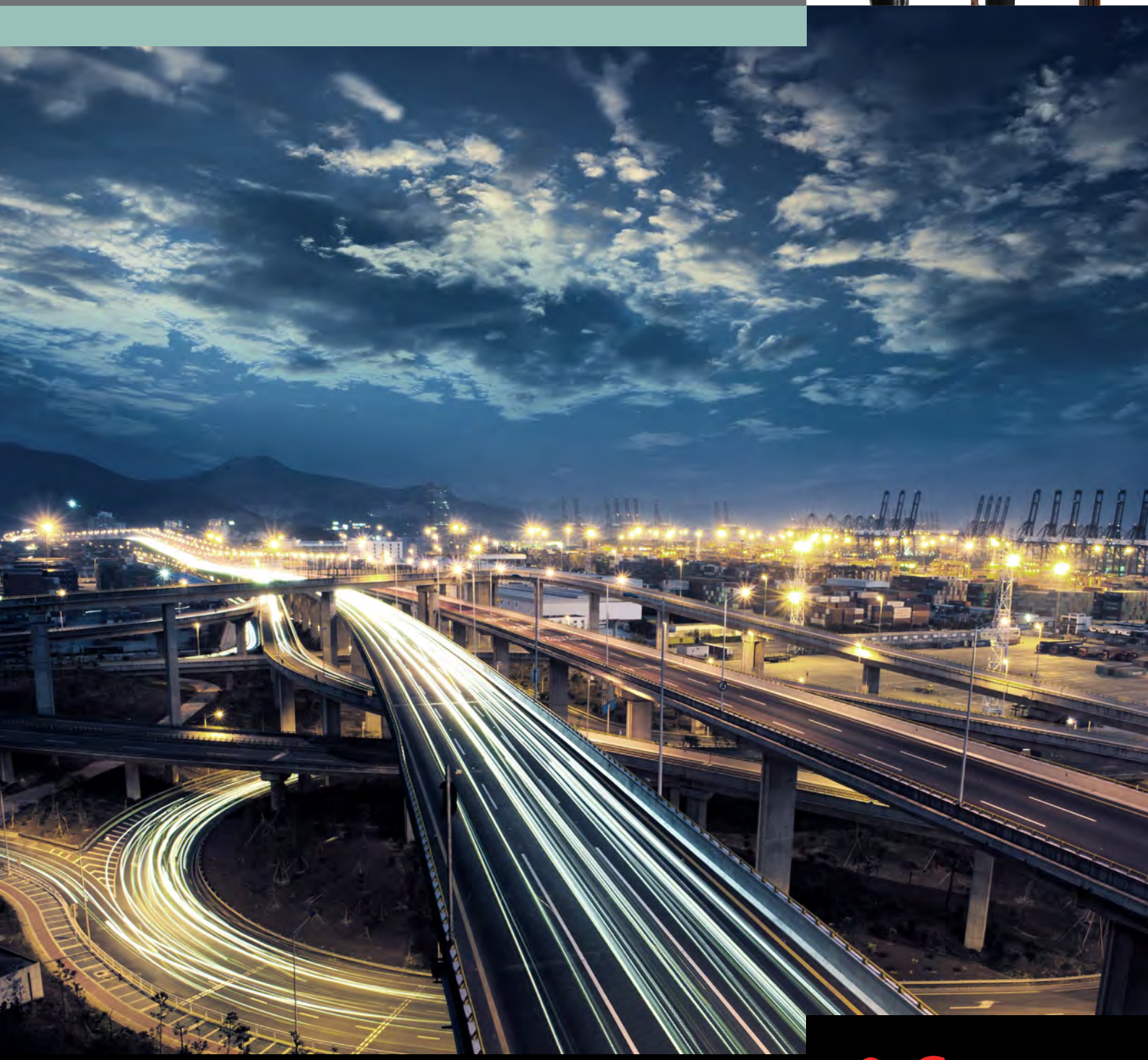
Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

MEDIUM VOLTAGE TERMINATIONS

CATALOGUE 2017



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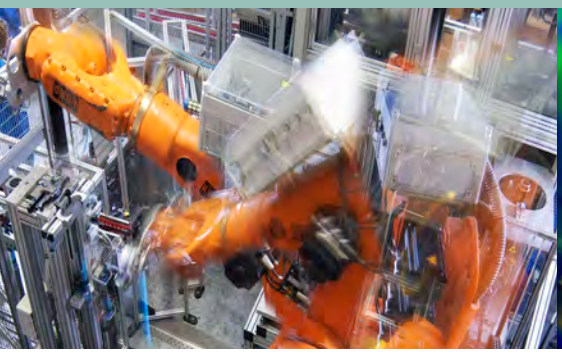
NEXANS NETWORK SOLUTIONS DIV. EUROMOLD

COMPANY PRESENTATION



EUROMOLD

Euromold is the leading European specialised designer, manufacturer and distributor of prefabricated cable accessories for medium voltage energy distribution. Euromold provides a complete range of accessories for underground cables: premoulded EPDM rubber connectors for cables and epoxy bushings for transformers and switchgear, as well as a large range of cold-shrinkable terminations and joints from 12 to 42 kV.
Euromold is also the manufacturer of electrical components for the high voltage accessories of the Nexans group.

ISO 9001 Certificate

Since 1992, Euromold's commitment to quality is demonstrated by its ISO 9001 certification.

International standards

All our products meet the International standards like CENELEC HD 629.1, CENELEC EN 50180, IEC 60137, IEC 60502-4… or country specifications. Official certificates, CESI, KEMA, ATEX… prove the conformity of our products.
Long duration tests of existing or new products are continuously performed in our test fields.

Laboratory accreditation

Since June 2000, Euromold's independent ELAB laboratory obtained the BELAC accreditation no.144-TEST conform with the European standards for laboratories ISO 17025 for electrical testing of low and medium voltage cable accessories according to the international standards EN 50393, IEC 60502-4, IEC 61442 and HD 629.

TERMINATIONS

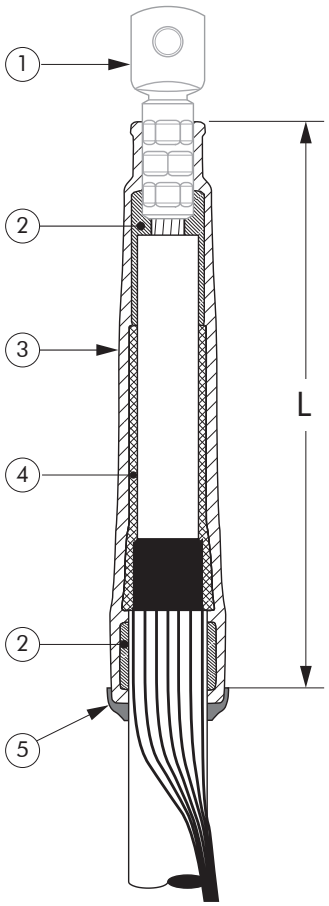
TABLE OF CONTENTS

APPLICATION

A kit of 3 terminations for use indoors in controlled environmental conditions and subject to light condensation.
To connect polymeric insulated cable to equipment.

DESIGN

Indoor termination comprising:
1. Cable lug (not included in the standard kit).
2. Water sealing mastic.
3. Silicone tube.
4. Stress control mastic.
5. Conductive EPDM ring.



6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV

SPECIFICATIONS AND STANDARDS

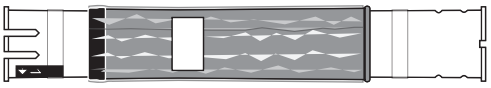
Meets the requirements of CENELEC HD 629.1.

Termination type	Voltage Um (kV)	Strike distance L (mm)	Diameter over core insulation (mm)		Conductor sizes (mm^2)	
			min	max	min	max
ITK 212	12	260	14	33	50	400
ITK 312	12	300	30	50	400	1000
ITK 224	24	260	14	33	25	240
ITK 324	24	300	30	50	300	800

KIT CONTENTS

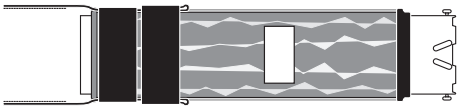
The complete ITK termination kit comprises the following components:

The kit also comprises water sealing mastic and installation instructions.



= 3 x ITK 212 or ITK 224 termination kit

3 x Factory pre-assembled silicone tubes comprising stress relief and sealing mastic.



= 3 x ITK 312 or ITK 324 termination kit

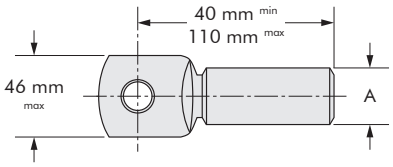
3 x Factory pre-assembled silicone tubes comprising stress relief and sealing mastic.

ORDERING INSTRUCTIONS

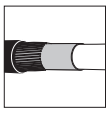
Select the part number corresponding to both the system voltage and the cable insulation diameter in mm.

EXAMPLE:
The copper wire screened cable is 12 kV, 150 mm^2 stranded aluminium.
The diameter over core insulation is 26.2 mm.
Order a 3 x ITK 212 termination kit.

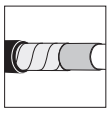
Ordering part number	Voltage Um (kV)	Diameter over core insulation (mm)		Conductor sizes (mm^2)	
		min	max	min	max
3 x ITK 212	12	14	33	50	400
3 x ITK 312	12	30	50	400	1000
3 x ITK 224	24	14	33	25	240
3 x ITK 324	24	30	50	300	800



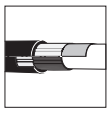
All commercialised European standard cable lugs can be used.
Cable lugs should be within the dimensions specified (not applicable for ITK 312 and ITK 324).



For use with copper wire screened cables. No earthing device is necessary.

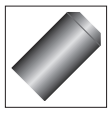


For use with copper tape screened cables. Also order a Kit MT.

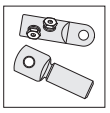


For use with Alupe or C 33-226 cables. Please contact our representative.

For use with three-core cables: see T-ITK.



If the cable lug barrel diameter (A) is less than 20 mm: order a rubber adapting sleeve.



Can be supplied with all common types of cable lugs.

APPLICATION

A kit of 3 terminations for use outdoors and exposed to prolonged sunshine and other weather conditions.
To connect polymeric insulated cable to equipment and for the outdoor terminating on to overhead lines or busbars.

DESIGN

Outdoor termination comprising:

1. Cable lug (not included in the standard kit).
2. Water sealing mastic.
3. Sheds which can be installed upwards or down.
4. Silicone tube with sheds.
5. Silicone tube.
6. Stress control mastic.
7. Conductive EPDM ring.

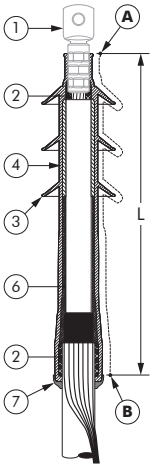


Fig. 1

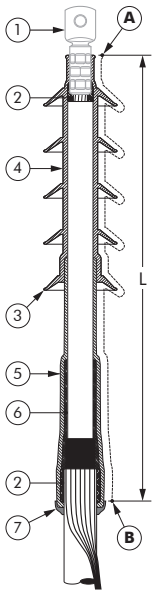


Fig. 2

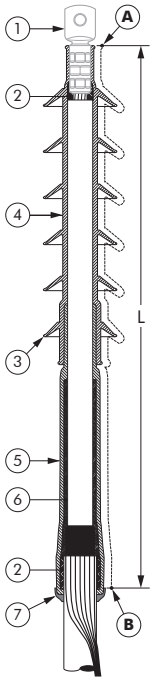


Fig. 3

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV
12/20 (24) kV
12.7/22 (24) kV

Up to 24 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1.

Termination type	Voltage Um (kV)	Creepage distance A-B (mm)	Strike distance "L" (mm)	Diameter over core insulation (mm)		Number of sheds	Conductor sizes (mm^2)		Fig. no.
				min	max		min	max	
OTK 212	12	420	300	14	33	3	50	400	1
OTK 312	12	890	650	30	50	6	500	1000	3
OTK 224	24	600	400	19	33	5	50	240	2
OTK 324	24	890	650	30	50	6	300	630	3

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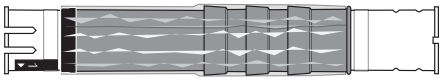
KIT CONTENTS

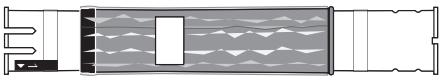
The complete OTK termination kit comprises the following components:

The kit also comprises water sealing mastic and installation instructions.



3 x Factory pre-assembled silicone tubes comprising stress relief and sealing mastic.

= 3 x OTK 212 termination kit



3 x Factory pre-assembled silicone tubes comprising stress relief and sealing mastic.

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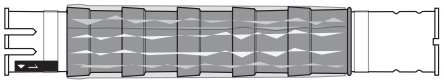
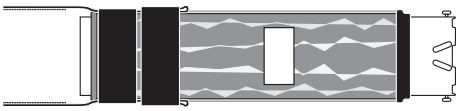


3 x Silicone tube with 5 sheds

= 3 x OTK 224 termination kit



3 x Factory pre-assembled silicone tubes comprising stress relief and sealing mastic.

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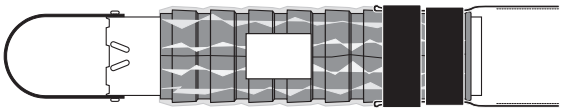


3 x Silicone tube with 6 sheds

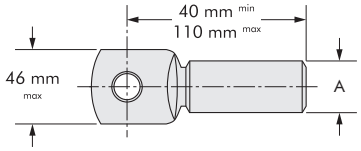
= 3 x OTK 312 or 3 x OTK 324 termination kit

ORDERING INSTRUCTIONS

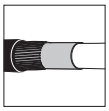
Select the part number corresponding to both the system voltage and the cable insulation diameter in mm.

Ordering part number	Voltage Um (kV)	Diameter over core insulation (mm)		Conductor sizes (mm^2)	
		min	max	min	max
3 x OTK 212	12	14	33	50	400
3 x OTK 312	12	30	50	500	1000
3 x OTK 224	24	19	33	50	240
3 x OTK 324	24	30	50	300	800

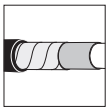
EXAMPLE:
The copper wire screened cable is 24 kV, 150 mm^2 stranded aluminium.
The diameter over core insulation is 26.2 mm.
Order a 3 x OTK 224 termination kit.



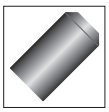
All commercialised European standard cable lugs can be used.
Cable lugs should be within the dimensions specified (not applicable for OTK 312 and OTK 324).



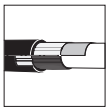
For use with copper wire screened cables. No earthing device is necessary.



For use with copper tape screened cables. Also order a Kit MT.

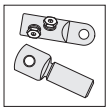


If the cable lug barrel diameter (A) is less than 20 mm: order a rubber adapting sleeve.



For use with Alupe or C 33-226 cables. Please contact our representative.

For use with three-core cables: see T-OTK.



Can be supplied with all common types of cable lugs.

SLIP-ON INDOOR TERMINATION

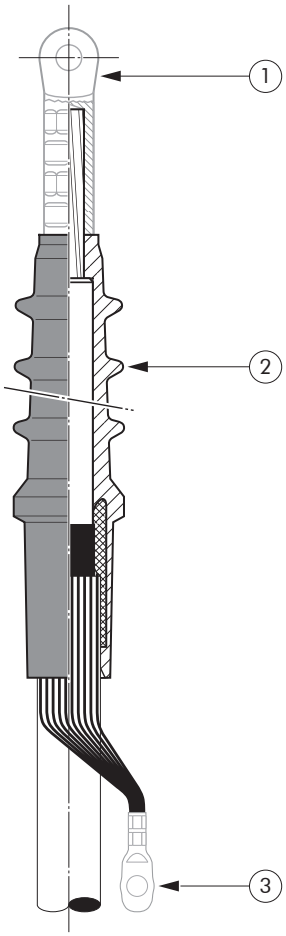
APPLICATION

A kit of 3 terminations for use indoors in controlled environmental conditions and subject to light condensation. Provides a simple and quick method of stress relieving on screened polymeric cables.

DESIGN

Indoor termination comprising:

1. Cable lug (not included in the standard kit).
2. High flexibility silicone rubber housing, allowing larger tolerances on cable insulation diameters, with integrated conductive rubber insert, providing stress relief.
3. Earthing lug (not included in the standard kit).



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
20.8/36 (42) kV

Up to 42 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1 and IEC 60502-4.

Termination type	Voltage Um (kV)	Conductor sizes (mm^2)	
		min	max
AIN 10	12	25	1200
AIN 20	24	35	1200
AIN 30	36	50	1000
AIN 36	42	150	1000

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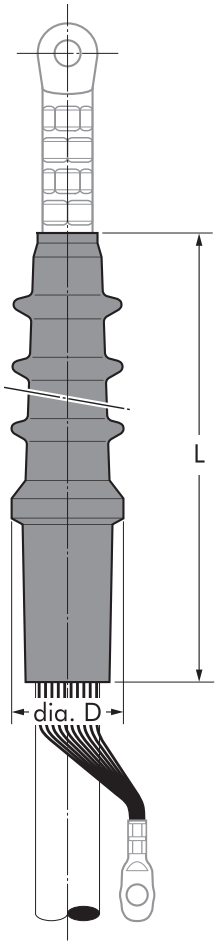
KIT CONTENTS

A kit always comprises
3 termination housings, installation instructions, special lubricant, wiper, adhesive tape, field control mastic, ...

Cable lugs and earthing lugs are not included in the standard kit, but can be ordered separately.

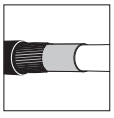
ORDERING INSTRUCTIONS

Select the part number corresponding to both the system voltage and the cable dimensions in mm.

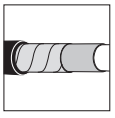


Voltage Um (kV)	Conductor sizes (mm^2)		Diameter over core insulation (mm)		Number of sheds	L (mm)	Dia. D (mm)	Ordering part number
	min	max	min	max				
12	25	95	12.7	21.0	2	150	37	3 x AIN 10-1
	120	240	19.0	28.5	2	150	43	3 x AIN 10-2
	300	500	27.0	37.0	2	150	60	3 x AIN 10-3
	630	800	34.0	46.0	3	225	68	3 x AIN 20-4
	1000		39.0	50.0	7	405	98	3 x AIN 36-5
	1200		46.0	58.0	7	405	98	3 x AIN 36-6
24	35	70	18.0	23.5	3	225	47	3 x AIN 20-1
	95	240	22.5	33.0	3	225	56	3 x AIN 20-2
	300	500	31.0	41.0	3	225	68	3 x AIN 20-3
	400	630	34.0	46.0	3	225	68	3 x AIN 20-4
	630	800	39.0	50.0	7	405	98	3 x AIN 36-5
	1000	1200	46.0	58.0	7	405	98	3 x AIN 36-6
36	50	70	23.5	29.0	6	300	74	3 x AIN 30-1
	95	240	27.0	38.0	6	300	74	3 x AIN 30-2
	240	400	32.0	43.0	6	300	81	3 x AIN 30-3
	400	630	39.0	50.0	7	405	98	3 x AIN 36-5
	630	1000	46.0	58.0	7	405	98	3 x AIN 36-6
42	150	300	31.5	41.0	7	405	98	3 x AIN 36-4
	400	630	39.0	50.0	7	405	98	3 x AIN 36-5
	630	1000	46.0	58.0	7	405	98	3 x AIN 36-6

EXAMPLE:
A set of 3 indoor terminations for a 24 kV - 240 mm^2 stranded aluminium cable with copper wire screen without cable lugs.
The diameter over core insulation is 30.4 mm.
Order a 3 x AIN 20-2 termination kit.



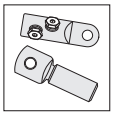
For use with copper wire screened cables. No earthing device is necessary.



For use with copper tape screened cables. Order: -/MT.

For use with three-core cables. Please contact our representative.

For use with other cable types. Please contact our representative.



Can be supplied with all common types of cable lugs.

No heating or flame is required.

AFN

SLIP-ON OUTDOOR TERMINATION

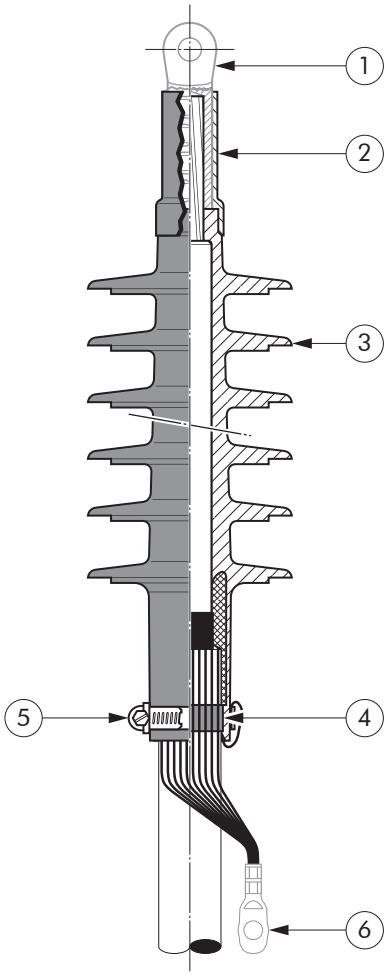
APPLICATION

A kit of 3 terminations for use outdoors and exposed to prolonged sunshine and other weather conditions.
To connect polymeric insulated cable to equipment and for the outdoor terminating on to overhead lines or busbars.

DESIGN

Outdoor termination comprising:

1. Cable lug (not included in the standard kit).
2. Water sealing silicone sleeve.
3. Silicone housing with sheds and integrated conductive silicone rubber insert providing stress relief for the cable.
4. Water sealing mastic.
5. Earthing clamp.
6. Earthing lug (not included in the standard kit).



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
20.8/36 (42) kV

Up to 42 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1 and IEC 60502-4.

Termination type	Voltage Um (kV)	Conductor sizes (mm^2)	
		min	max
AFN 10	12	25	1200
AFN 20	24	35	1200
AFN 30	36	50	1000
AFN 36	42	70	1000

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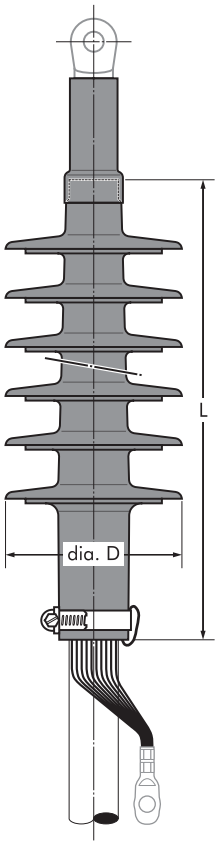
KIT CONTENTS

A kit always comprises 3 termination housings, water sealing sleeve, the installation instructions, special lubricant, wiper, earthing clamp, water sealing mastic, adhesive tape, field control mastic, ...

Cable lugs and earthing lugs are not included in the standard kit, but can be ordered separately.

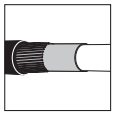
ORDERING INSTRUCTIONS

Select the part number corresponding to both the system voltage and the cable dimensions in mm.

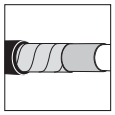


Voltage Um (kV)	Conductor sizes (mm^2)		Diameter over core insulation (mm)		Number of sheds	L (mm) (max)	Dia. D (mm)	Creepage distance (mm)	Ordering part number
	min	max	min	max					
12	25	95	12.7	21.0	3	210	90	369	3 x AFN 10-1
	120	240	19.0	28.5	3	210	96	365	3 x AFN 10-2
	300	500	27.0	37.0	3	210	105	360	3 x AFN 10-3
	630	800	34.0	46.0	4	240	118	462	3 x AFN 20-4
	1000		39.0	50.0	7	405	127	755	3 x AFN 36-5
	1200		46.0	58.0	7	405	127	755	3 x AFN 36-6
24	35	70	18.0	23.5	4	240	100	480	3 x AFN 20-1
	95	240	22.5	33.0	4	240	112	499	3 x AFN 20-2
	300	500	31.0	41.0	4	240	118	462	3 x AFN 20-3
	400	630	34.0	46.0	4	240	118	462	3 x AFN 20-4
	630	800	39.0	50.0	7	405	127	755	3 x AFN 36-5
	1000	1200	46.0	58.0	7	405	127	755	3 x AFN 36-6
36	50	70	23.5	29.0	6	300	115	695	3 x AFN 30-1
	95	240	27.0	38.0	6	300	115	694	3 x AFN 30-2
	240	400	32.0	43.0	6	300	127	718	3 x AFN 30-3
	400	630	39.0	50.0	7	405	127	755	3 x AFN 36-5
	630	1000	46.0	58.0	7	405	127	755	3 x AFN 36-6
42	70	120	28.0	32.0	7	405	127	755	3 x AFN 36-3
	150	300	31.5	41.0	7	405	127	755	3 x AFN 36-4
	400	630	39.0	50.0	7	405	127	755	3 x AFN 36-5
	630	1000	46.0	58.0	7	405	127	755	3 x AFN 36-6
For use in heavy polluted areas (terminations with an increased creepage length)									
42	70	120	28.0	32.0	11	535	127	1079	3 x AFNP 36-3
	150	300	31.5	41.0	11	535	127	1079	3 x AFNP 36-4
	400	630	39.0	50.0	11	535	127	1079	3 x AFNP 36-5
	630	1000	46.0	58.0	11	535	127	1079	3 x AFNP 36-6

EXAMPLE:
A set of 3 outdoor terminations for a 24 kV - 240 mm^2 stranded aluminium cable with copper wire screen without cable lugs.
The diameter over core insulation is 30.4 mm.
Order a 3 x AFN 20-2 termination kit.



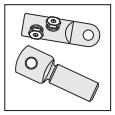
For use with copper wire screened cables. No earthing device is necessary.



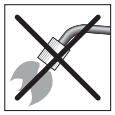
For use with copper tape screened cables. Order: -/MT.

For use with three-core cables. Please contact our representative.

For use with other cable types. Please contact our representative.



Can be supplied with all common types of cable lugs.



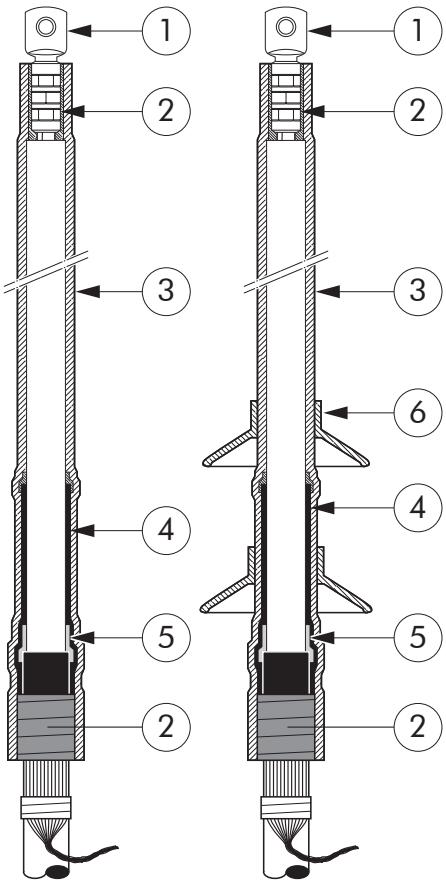
No heating or flame is required.

APPLICATION

A set of three heat-shrinkable terminations for polymeric cables, widely used by power utilities and in industrial applications.
For use indoor in controlled environmental conditions.

DESIGN

1. Cable lug (supplied on request).
2. Water sealing mastic.
3. Anti-tracking heat-shrinkable tube.
4. Stress control heat-shrinkable tube.
5. Stress control mastic.
6. Anti-tracking sheds (when required).



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

Up to 36 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1 and IEC 60502-4.

ORDERING INSTRUCTIONS

Select the part number and add both system voltage and conductor size range.

Example part number:

SREI 12/120-240

Termination type	Voltage class (Um)	12 kV	(17 &) 24 kV	36 kV
SREI	Cable cross section (mm^2)	35-95 120-240 240-500 400-630	35-70 95-185 240-400 400-630	50-95 120-240 240-500 400-630

For use with other sizes and cable types. Please contact our representative.

10/2017

HEAT-SHRINKABLE SINGLE CORE XLPE OUTDOOR TERMINATION

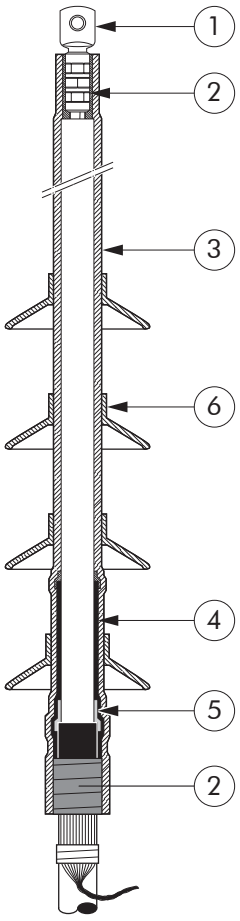
SREF

APPLICATION

A set of three heat-shrinkable terminations for polymeric cables, widely used by power utilities and in industrial applications.
For use outdoors and exposed to prolonged sunshine and other weather conditions.

DESIGN

1. Cable lug (supplied on request).
2. Water sealing mastic.
3. Anti-tracking heat-shrinkable tube.
4. Stress control heat-shrinkable tube.
5. Stress control mastic.
6. Anti-tracking sheds.



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

Up to 36 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1 and IEC 60502-4.

ORDERING INSTRUCTIONS

Select the part number and add both system voltage and conductor size range.

Example part number:

SREF 12/120-240

Termination type	Voltage class (Um)	12 kV	(17 &) 24 kV	36 kV
SREF	Cable cross section (mm^2)	35-95 120-240 240-500 400-630	35-70 95-185 240-400 400-630	50-95 120-240 240-500 400-630

For use with other sizes and cable types. Please contact our representative.

SRDI

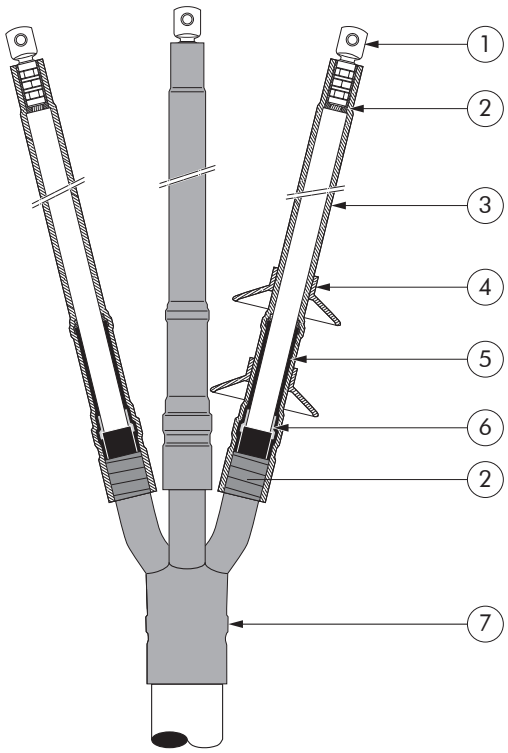
HEAT-SHRINKABLE THREE CORE XLPE INDOOR TERMINATION

APPLICATION

Heat-shrinkable terminations for three core polymeric cables, widely used by power utilities and in industrial applications.
For use indoor in controlled environmental conditions.

DESIGN

1. Cable lug (supplied on request).
2. Water sealing mastic.
3. Anti-tracking heat-shrinkable tube.
4. Anti-tracking sheds (when required).
5. Stress control heat-shrinkable tube.
6. Stress control mastic.
7. Break-out.



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

Up to 36 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1 and IEC 60502-4.

ORDERING INSTRUCTIONS

Select the part number and add both system voltage and conductor size range.

Example part number:

SRDI 12/120-240

Termination type	Voltage class (Um)	12 kV	(17 &) 24 kV	36 kV
SRDI	Cable cross section (mm^2)	35-95 120-240 240-500	25-70 95-185 240-400	50-120 150-240 240-400

For use with other sizes and cable types. Please contact our representative.

10/2017

Nexans

HEAT-SHRINKABLE THREE CORE XLPE OUTDOOR TERMINATION

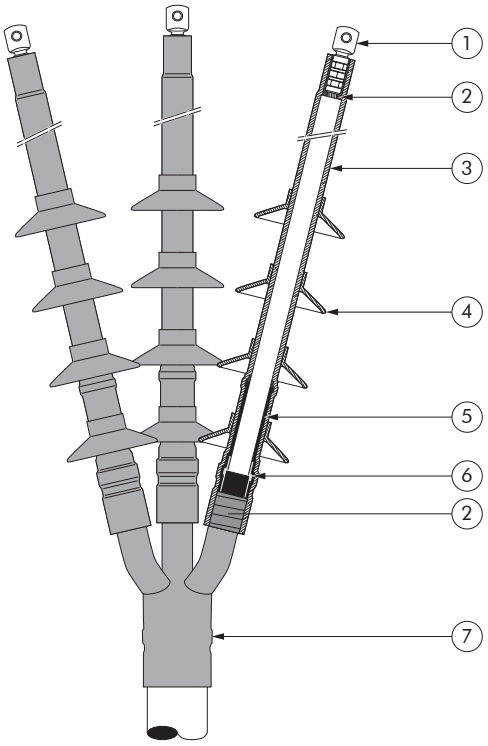
SRDF

APPLICATION

Heat-shrinkable terminations for three core polymeric cables, widely used by power utilities and in industrial applications.
For use outdoors and exposed to prolonged sunshine and other weather conditions.

DESIGN

1. Cable lug (supplied on request).
2. Water sealing mastic.
3. Anti-tracking heat-shrinkable tube.
4. Anti-tracking sheds.
5. Stress control heat-shrinkable tube.
6. Stress control mastic.
7. Break-out.



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

Up to 36 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1 and IEC 60502-4.

ORDERING INSTRUCTIONS

Select the part number and add both system voltage and conductor size range.

Example part number:

SRDF 12/120-240

Termination type	Voltage class (Um)	12 kV	(17 &) 24 kV	36 kV
SRDF	Cable cross section (mm^2)	35-95 120-240 240-500	25-70 95-185 240-400	50-120 150-240 240-400

For use with other sizes and cable types. Please contact our representative.

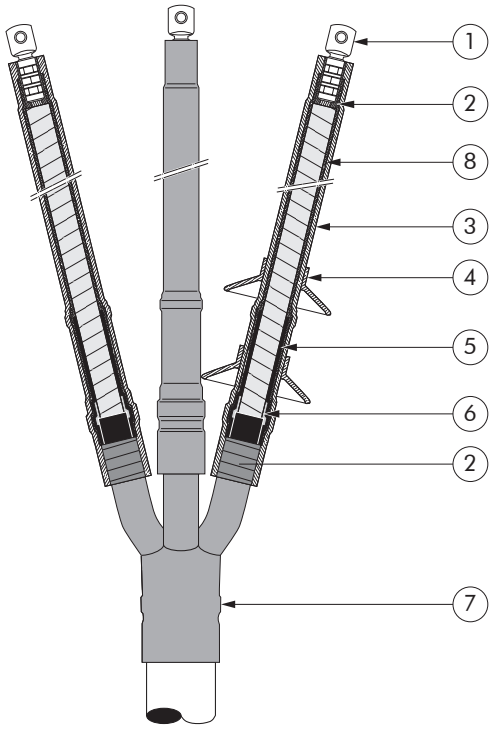
Nexans

APPLICATION

Heat-shrinkable terminations for three core PILC/PICAS cables, used by power utilities and in industrial applications.
For use indoor in controlled environmental conditions.

DESIGN

1. Cable lug (supplied on request).
2. Water sealing mastic.
3. Anti-tracking heat-shrinkable tube.
4. Anti-tracking sheds (when required).
5. Stress control heat-shrinkable tube.
6. Stress control mastic.
7. Break-out.
8. Barrier tube.



6/10 (12) kV
6.35/11 (12) kV

Up to 12 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1 and IEC 60502-4.

ORDERING INSTRUCTIONS

Select the part number and add both system voltage and conductor size range.

Example part number:

SPDI 12/95-150

Termination type	Voltage class (Um)	Cable cross section (mm²)
SPDI 12/16-25	12 kV	16-25
SPDI 12/35-70		35-70
SPDI 12/95-150		95-150
SPDI 12/185-500		185-500

For use with other sizes and cable types. Please contact our representative.

HEAT-SHRINKABLE THREE PILC/PICAS OUTDOOR TERMINATION

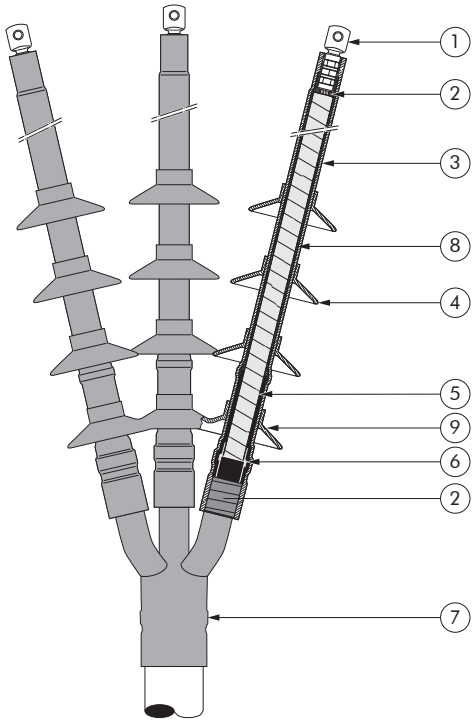
SPDF

APPLICATION

Heat-shrinkable terminations for three core PILC/PICAS cables, widely used by power utilities and in industrial applications.
For use outdoors and exposed to prolonged sunshine and other weather conditions.

DESIGN

1. Cable lug (supplied on request).
2. Water sealing mastic.
3. Anti-tracking heat-shrinkable tube.
4. Anti-tracking sheds.
5. Stress control heat-shrinkable tube.
6. Stress control mastic.
7. Break-out.
8. Oil barrier tube.
9. Anti-tracking tri-shed.



6/10 (12) kV
6.35/11 (12) kV

Up to 12 kV

SPECIFICATIONS AND STANDARDS

Meets the requirements of CENELEC HD 629.1 and IEC 60502-4.

ORDERING INSTRUCTIONS

Select the part number and add both system voltage and conductor size range.

Example part number:

SPDF 12/95-150

Termination type	Voltage class (Um)	Cable cross section (mm²)
SPDF 12/16-25	12 kV	16-25
SPDF 12/35-70		35-70
SPDF 12/95-150		95-150
SPDF 12/185-500		185-500

For use with other sizes and cable types. Please contact our representative.

Nexans

APPLICATION

The ''MONOi'' terminations are a single component solution, for single core polymeric cables.

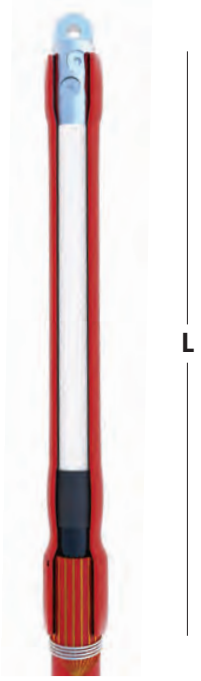
TECHNICAL DESCRIPTION

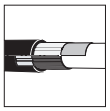
The ''MONOi'' indoor terminations are designed for max system voltages of 36 kV, for compact switchgears as well as for installations where space is limited.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic strip, a co extruded dual wall tube and red anti-tracking sealing mastic.
Add on kit for armoured cables are available separately.
Each MONOi termination kit contains material to allow for 3 phase installation.

Type tested acc.:
Cenelec HD 629.1 S2
IEC 60502-4

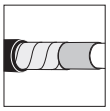
Up to 19/33 (36) kV

voltage Um kV	type	application range (mm^2)	L (mm)
12	3x12MONOi 1.95	25÷95	260
12	3x12MONOi 1.240	70÷240	260
12	3x12MONOi 1.400	185÷400	280
12	3x12MONOi 1.630	400÷630	310
24	3x24MONOi 1.95	25÷95	320
24	3x24MONOi 1.240	70÷240	320
24	3x24MONOi 1.400	185÷400	340
24	3x24MONOi 1.630	400÷630	370
36	3x36MONOi 1.95	25÷95	420
36	3x36MONOi 1.240	70÷240	420
36	3x36MONOi 1.400	185÷400	440
36	3x36MONOi 1.630	400÷630	460

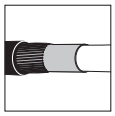




For cables with AL foil screen/ vapor screen please contact our sales office.



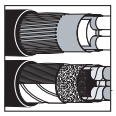
Please add the letter "A" at the end of the product code for cables with Cu tape screen.



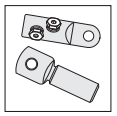
Earth kit included for cables with wire screens.

For other cable types please contact our sales office.

Trifurcating kits "TK" available separately. Please see available sizes of specific catalogue page.



Various earth connection design solutions exist for armouring. For exact details contact our sales office.



Design accommodates various lug types.

Various earth connection kits are available for screen connection. For exact details contact our sales office.

10/2017

Nexans

MONOe

APPLICATION

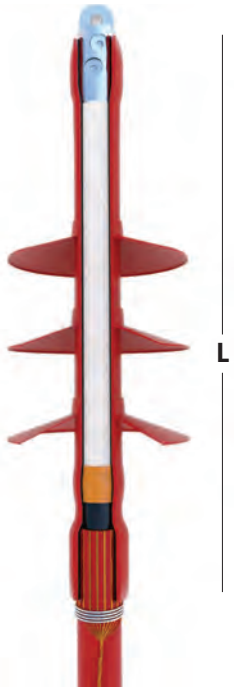
The ''MONOe'' terminations are a single component solution, for single core polymeric cables.

TECHNICAL DESCRIPTION

The ''MONOe'' outdoor terminations are designed for max system voltages of 36 kV.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic strip, a co extruded dual wall tube, red anti-tracking sealing mastic and anti-tracking rain sheds.
Add on kit for armoured cables are available separately.
Each MONOe termination kit contains material to allow for 3 phase installation.

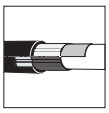
Type tested acc.:
Cenelec HD 629.1 S2
IEC 60502-4

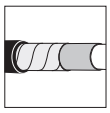
Up to 19/33 (36) kV

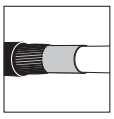


voltage Um kV	type	application range (mm^2)	L (mm)
12	3x12MONOe 1.95	25÷95	390
12	3x12MONOe 1.240	70÷240	390
12	3x12MONOe 1.400	185÷400	410
12	3x12MONOe 1.630	400÷630	440
24	3x24MONOe 1.95	25÷95	410
24	3x24MONOe 1.240	70÷240	410
24	3x24MONOe 1.400	185÷400	440
24	3x24MONOe 1.630	400÷630	490
36	3x36MONOe 1.95	25÷95	470
36	3x36MONOe 1.240	70÷240	470
36	3x36MONOe 1.400	185÷400	500
36	3x36MONOe 1.630	400÷630	520


Designed for outdoor application.

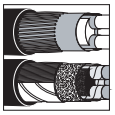

For cables with AL foil screen/ vapor screen please contact our sales office.

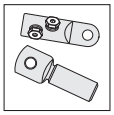

Please add the letter "A" at the end of the product code for cables with Cu tape screen.


Earth kit included for cables with wire screens.


For other cable types please contact our sales office.


Trifurcating kits "TK" available separately. Please see available sizes of specific catalogue page.


Various earth connection design solutions exist for armouring. For exact details contact our sales office.


Design accommodates various lug types.


Various earth connection kits are available for screen connection. For exact details contact our sales office.

Nexans

15TS-NSS

UNIVERSAL BUSHING BOOT

APPLICATION

This universal bushing boot is manufactured from non-tracking EPDM rubber and is designed to mate with all types of cold or heat-shrinkable terminations (without sheds). The bushing part fits interface diameters between 40 and 60 mm. The system is separable and allows easy removal for testing. This boot is suitable for all angles between 90° and 180°.

KIT CONTENTS

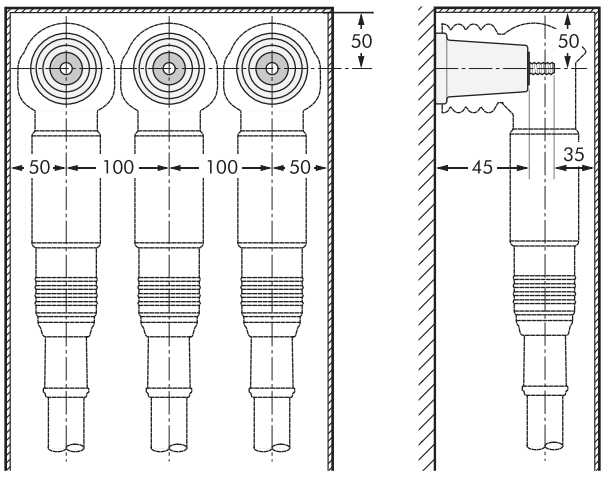
The 3 x 15TS-NSS kit comprises 3 universal bushing boots, silicone grease and installation instructions.

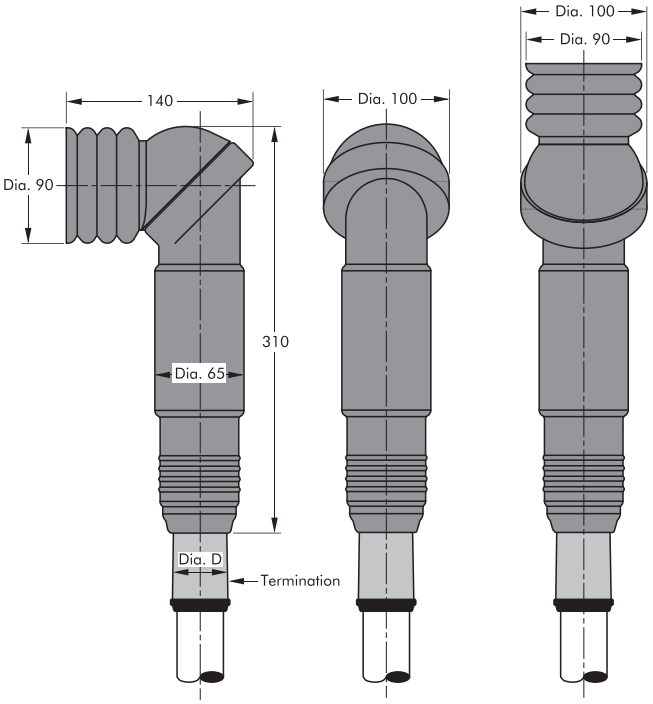
6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV

Up to 17.5 kV

CLEARANCES

This is an unscreened boot and therefore not safe to touch when energised. When used in a metal enclosed cable box, these minimum clearances must be respected.





Bushing boot type	Voltage Um (kV)	Conductor sizes (mm^2)		Diameter D over termination (mm)	
		min	max	min	max
15TS-NSS	17.5 max	35	630	20	50

In mm.

10/2017

Nexans

FLEXIBLE BUSHING BOOT

FB1

APPLICATION

Bushing insulating elastomeric boots are used to insulate the bushing in switchgear and transformer cable termination boxes up to 17.5 kV especially where the clearances between phase to phase and phase to earth is less than the normal air clearance. These boots provide protection against flash over in the event of high humidity and surge impulse. The boots are made from highly insulating flexible and weather resistant elastomeric material.
FB1 insulating boots are quick and easy to install. The boots can be removed easily for convenient access to the bushing connection for testing purposes. After testing the boot can be reinstalled easily without using additional material or tooling.

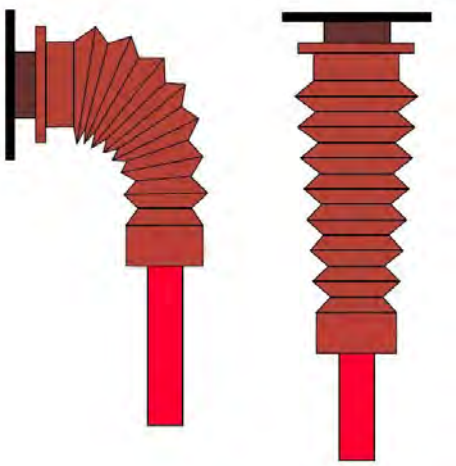
KIT CONTENTS

The FB1 kit comprises of 3 flexible bushing boots and 3 tubes of grease.

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV

CLEARANCES

This is an unscreened boot and therefore not safe to touch when energised.



ADVANTAGES

High performance flexible insulation material with excellent tracking and erosion resistance.
Quick and easy to remove and reinstall.
Unlimited shelf life.
Termination can be energised immediately after installation.

TECHNICAL SPECIFICATION

Basic impulse level: 95 kV
Bushing diameter: 30 - 45 mm
Cable sizes: 35 - 400 mm²

Bushing boot type	Voltage Um (kV)	Description	Diameter D over termination (mm)	
			min.	max.
FB1	17.5 max.	Flexible boot	35	400

Nexans

RAB/SB

HEAT-SHRINKABLE BUSHING BOOT

APPLICATION

Heat-shrinkable bushing boots are used to increase the creepage distance between the live metal and surrounding metal work and neighbouring phases.

KIT CONTENTS

The RAB/SB kit comprises 3 heat-shrinkable bushing boots and mastic.

CLEARANCES

This is an unscreened boot and therefore not safe to touch when energised.

6/10 (12) kV
6.35/11 (12) kV
8.7/15 (17.5) kV

Up to 17.5 kV

Bushing boot type	Voltage Um (kV)	Description	Conductor sizes (mm^2)	
			min.	max.
RAB 1	17.5 max.	right angle	16	95
RAB 2	17.5 max.	right angle	120	300
RABS1	17.5 max.	right angle short	16	95
RABS2	17.5 max.	right angle short	120	300
SB 1	17.5 max.	straight	16	95
SB 2	17.5 max.	straight	120	300

XLPE SOLDERLESS EARTH CONNECTION INDOOR

APPLICATION

Required to effectively earth the copper tape screen of polymeric (XLPE & EPR) insulated cables without soldering.
Supplied in sets of three.

Part number 3-core kit	Voltage class (Um)	6.6 kV	12 kV	(17 &) 24 kV	36 kV	Diameter over screen (mm)
SE1		16-50	16-50	-	-	12-18
SE2	Cable cross	70-150	70-150	25-70	25-35	19-24
SE3	section	185-300	185-240	95-150	50-70	25-30
SE4	(mm^2)	400-630	300-630	185-500	95-300	31-44
SE5		800-1000	800-1000	630-1000	400-1000	41-65

CK
PILC SOLDERLESS EARTH CONNECTION OUTDOOR

APPLICATION

For use with HSGK range of gland kits when installing lead sheathed cables (PILC).
Allows the earthing of the lead sheath without need for plumbing.

Indoor kit Part number	Outdoor kit Part number	Cable cross section	Diameter over lead sheath (mm)
CK1	CK1-O	16-95 mm^2	28-39
CK2	CK2-O	120-185 mm^2	40-50
CK3	CK3-O	240-300 mm^2	51-60
CK4	CK4-O	400-500 mm^2	61-80

Nexans

APPLICATION

Made to comply with stud spacings to BS 2562.
For indoor and outdoor use on switchgear or transformer cable boxes.
They provide an effective moisture seal around the cable sheath and earth armour wires.
Also extends space for termination by 150mm.

KIT CONTENTS

The kit includes metal gland body, heat-shrinkable sleeve, armour clamps, copper braid and mastic tape.

Part number	Cable cross section
HSGK1	3-core cables with an under armour diameter of up to 63 mm
HSGK2	3-core cables with an under armour diameter of up to 94 mm
HSGK3 (pack of 3)	1-core cables with an under armour diameter of up to 63 mm

RAE KITS
REMOTE ARMOUR EARTHING

APPLICATION

Under Armour Earthing kits for use in applications where glands are not being utilised.

KIT CONTENTS

1 x CK Braid
2 x Under armour ring
2 x Jubilee clips
1 x MBA Mastic
2 x SE Braid
1 x MSRTK tubing

Part no's are available upon request, please provide full cable specification.

MULTI CORE HEAT-SHRINK BREAKOUT KIT

XCK-HSS

APPLICATION

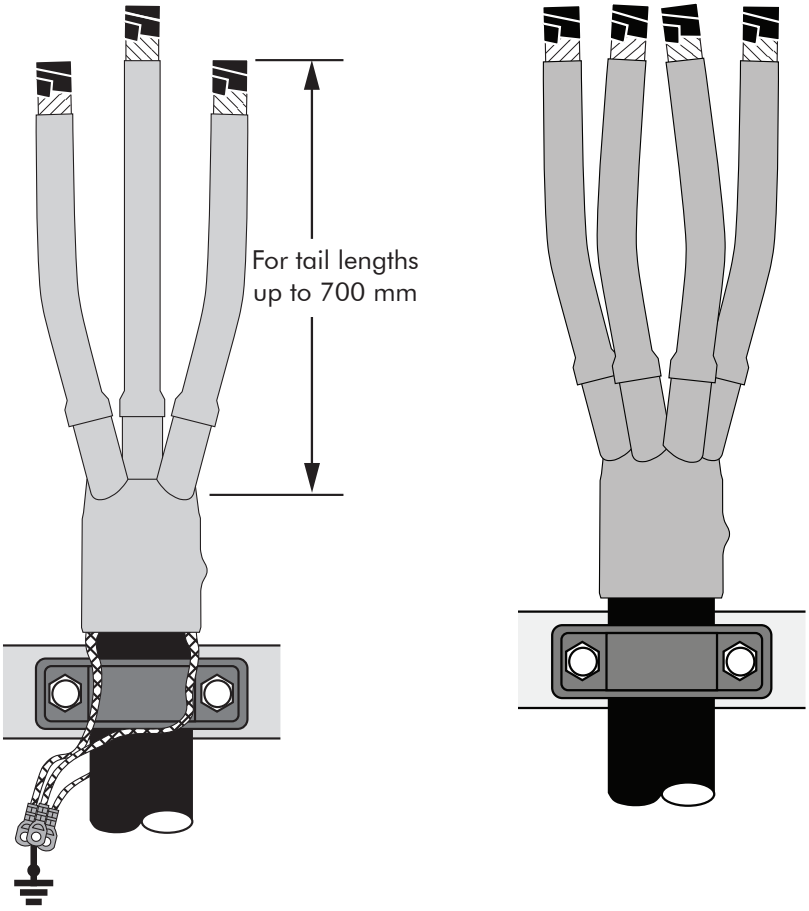
For environmental protection of the exposed cores and crutch of 3 and 4 core polymeric insulated cables when terminated with Nexans screened separable connectors.

DESIGN

The kit consists of a heat shrink breakout, core tubes, sealing mastic and installation instructions.

ORDERING INSTRUCTIONS

The breakout kits are made up specific to cable requirements. When ordering please give diameter of core insulation, overall diameter of cable and number of cores (for 4 core cables please state whether all core insulations are the same diameter). If these are not known please give kV rating, core size in sqmm, number of cores and whether armoured/ unarmoured. For relevant solderless earth kits for copper tape screened cables please refer to the appropriate section in the catalogue.
Please note these are not termination kits and relevant cable terminations are to be used in conjunction with these kits.



ENQUIRY SHEET

Email to:
sales.npa@nexans.com

YOUR COMPANY DETAILS:

Company: _____

Town: _____

Tel.: _____

Fax: _____

Contact: _____

GENERAL

System voltage _____kV
Load current _____Amp
Fault level _____kA
_____sec

No. of cores: _____
Conductor material: ☐Al ☐Cu
Armour: ☐None ☐SWA ☐STA
Installation area:
☐Indoor ☐Outdoor

CABLE TYPE

XLPE ☐
EPR ☐
Cu tape screen ☐
Cu wire screen ☐
PICAS ☐
PILC ☐
Screened ☐
Belted ☐

Cable cross section_____mm^2

Core insulation diameter_____mm

PRODUCT TYPE

Termination ☐
Tail length_____mm
Joint ☐
Separable connector ☐

TECHNOLOGY

Heat shrinkable ☐
Cold shrinkable ☐
Slip-on ☐
15TS ☐
Euromold ☐
Resin ☐

ACCESSORIES

Earthing kit ☐
Bushing boots ☐
Cable lugs ☐
Ferrules ☐
Gland kit ☐
Heat-shrinkable ☐

NOTES

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Thorne & Derrick
+44 (0) 191 410 4292
www.powerandcables.com

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