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

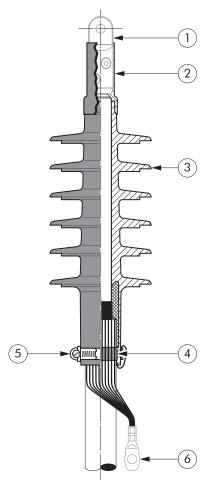
A complete termination consists of:

- 1. Cable lug (see ordering instructions).
- 2. Water sealing silicone sleeve (see ordering instructions).
- 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).

SPECIFICATIONS AND STANDARDS

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

Pollution class according to IEC/TS 60815-3.



6/10 (12) kV 6.35/11 (12) kV 8.7/15 (17.5) kV 12/20 (24) kV 12.7/22 (24) kV 18/30 (36) kV 20.8/36 (42) kV

Up to 42 kV

Termination type	Voltage Um	Typical conductor sizes (mm²)			
.,,,,,	(kV)	min	max		
AFN 10	12	25	1200		
AFN 20	24	35	1200		
AFN 30	36	50	1000		
AFN 36	42	70	1000		

11/2023



KIT CONTENTS

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

Remark:

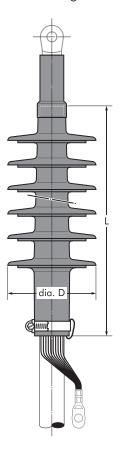
Cable lugs, earthing lugs and water sealing sleeves are not included in the basic kit, but can be ordered separately.

ORDERING INSTRUCTIONS

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

Determine:

- need cable lug yes/no
- need watersealing mastic yes/no



Voltage Um (kV)											
12	Um	conductor sizes (mm ²)		core insulation (mm)			(mm)	D	distance		part
120 240 19.0 28.5 3 210 96 365 E 3 x AFN 10-2 300 500 27.0 37.0 3 210 105 360 E 3 x AFN 10-3 630 800 34.0 46.0 4 240 118 462 E 3 x AFN 20-4 1000 39.0 50.0 7 405 127 755 E 3 x AFN 36-5 1200 46.0 58.0 7 405 127 755 E 3 x AFN 20-1 95 240 22.5 33.0 4 240 112 499 D 3 x AFN 20-2 400 630 34.0 46.0 4 240 118 462 D 3 x AFN 20-3 400 630 34.0 46.0 4 240 118 462 D 3 x AFN 20-3 400 630 34.0 46.0 4 240 118 462 D 3 x AFN 20-4 630 800 39.0 50.0 7 405 127 755 E 3 x AFN 36-5 1000 1200 46.0 58.0 7 405 127 755 E 3 x AFN 30-5 1000 1200 46.0 58.0 7 405 127 755 E 3 x AFN 30-1 95 240 27.0 38.0 6 300 115 695 C 3 x AFN 30-1 95 240 27.0 38.0 6 300 115 695 C 3 x AFN 30-2 36 240 400 32.0 43.0 6 300 127 718 C 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 D 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 D 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 D 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-6 For use in heavy polluted areas (terminations with an increased creepage length) 70 120 28.0 32.0 11 535 127 1079 E 3 x AFN 36-3 42 400 630 39.0 50.0 11 535 127 1079 E 3 x AFN 36-3											
12							210		369		
12		120		19.0	28.5	3	210	96	365	E	3 x AFN 10-2
630 800 34.0 46.0 4 240 118 462 E 3 x AFN 20-4	12	300	500	27.0	37.0	3	210	105	360	E	3 x AFN 10-3
1200	12	630	800	34.0	46.0	4	240	118	462	E	3 x AFN 20-4
35		1000		39.0	50.0	7	405	127	755	E	3 x AFN 36-5
24 240 22.5 33.0 4 240 112 499 D 3 x AFN 20-2 300 500 31.0 41.0 4 240 118 462 D 3 x AFN 20-3 400 630 34.0 46.0 4 240 118 462 D 3 x AFN 20-4 630 800 39.0 50.0 7 405 127 755 E 3 x AFN 36-5 1000 1200 46.0 58.0 7 405 127 755 E 3 x AFN 36-6 50 70 23.5 29.0 6 300 115 695 C 3 x AFN 30-1 95 240 27.0 38.0 6 300 115 694 C 3 x AFN 30-2 36 240 400 32.0 43.0 6 300 127 718 C 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 D 3 x AFN 36-5 630 1000 46.0		1200		46.0	58.0	7	405	127	755	Е	3 x AFN 36-6
24 300 500 31.0 41.0 4 240 118 462 D 3 x AFN 20-3 400 630 34.0 46.0 4 240 118 462 D 3 x AFN 20-4 630 800 39.0 50.0 7 405 127 755 E 3 x AFN 36-5 1000 1200 46.0 58.0 7 405 127 755 E 3 x AFN 36-6 50 70 23.5 29.0 6 300 115 695 C 3 x AFN 30-1 95 240 27.0 38.0 6 300 115 694 C 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 D 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 D 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 D 3 x AFN 36-3 42 400 630		35	70	18.0	23.5	4	240	100	480	D	3 x AFN 20-1
24 400 630 34.0 46.0 4 240 118 462 D 3 x AFN 20-4 630 800 39.0 50.0 7 405 127 755 E 3 x AFN 36-5 1000 1200 46.0 58.0 7 405 127 755 E 3 x AFN 36-6 50 70 23.5 29.0 6 300 115 695 C 3 x AFN 30-1 95 240 27.0 38.0 6 300 115 694 C 3 x AFN 30-2 36 240 400 32.0 43.0 6 300 127 718 C 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 D 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-3 42 400 630 39.0 50.0		95	240	22.5	33.0	4	240	112	499	D	3 x AFN 20-2
400 630 34.0 46.0 4 240 118 462 D 3 x AFN 20-4		300	500	31.0	41.0	4	240	118	462	D	3 x AFN 20-3
1000 1200 46.0 58.0 7 405 127 755 E 3 x AFN 36-6 50 70 23.5 29.0 6 300 115 695 C 3 x AFN 30-1 95 240 27.0 38.0 6 300 115 694 C 3 x AFN 30-2 36 240 400 32.0 43.0 6 300 127 718 C 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 D 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 D 3 x AFN 36-6 42 400 630 39.0 32.0 7 405 127 755 C 3 x AFN 36-3 42 42 430 4400 44	24	400	630	34.0	46.0	4	240	118	462	D	3 x AFN 20-4
50 70 23.5 29.0 6 300 115 695 C 3 x AFN 30-1 95 240 27.0 38.0 6 300 115 694 C 3 x AFN 30-2 36 240 400 32.0 43.0 6 300 127 718 C 3 x AFN 30-3 400 630 39.0 50.0 7 405 127 755 D 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 D 3 x AFN 36-6 42 40 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-3 400 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-4 42 400 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-6 For use in heavy polluted areas (terminations with an increased creepage length) 70 120 28.0 32.0 11 535 127 1079 E 3 x AFN 36-3 42 42 400 630 39.0 50.0 11 535 127 1079 E 3 x AFN 36-3 43 44 45 45 45 45 45 45		630	800	39.0	50.0	7	405	127	755	Е	3 x AFN 36-5
36		1000	1200	46.0	58.0	7	405	127	755	Е	3 x AFN 36-6
36	36	50	70	23.5	29.0	6	300	115	695	С	3 x AFN 30-1
400 630 39.0 50.0 7 405 127 755 D 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 D 3 x AFN 36-6 70 120 28.0 32.0 7 405 127 755 C 3 x AFN 36-3 150 300 31.5 41.0 7 405 127 755 C 3 x AFN 36-4 400 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-5 For use in heavy polluted areas (terminations with an increased creepage length) 70 120 28.0 32.0 11 535 127 1079 E 3 x AFNP 36-3 150 300 31.5 41.0 11 535 127 1079 E 3 x AFNP 36-3 42 400 630 39.0 50.0 11 535 127 1079 E 3 x AFNP 36-3		95	240	27.0	38.0	6	300	115	694	С	3 x AFN 30-2
630 1000 46.0 58.0 7 405 127 755 D 3 x AFN 36-6 70 120 28.0 32.0 7 405 127 755 C 3 x AFN 36-3 150 300 31.5 41.0 7 405 127 755 C 3 x AFN 36-4 400 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-6 For use in heavy polluted areas (terminations with an increased creepage length) 70 120 28.0 32.0 11 535 127 1079 E 3 x AFNP 36-3 42 400 630 39.0 50.0 11 535 127 1079 E 3 x AFNP 36-4 42 400 630 39.0 50.0 11 535 127 1079 E 3 x AFN		240	400	32.0	43.0	6	300	127	718	С	3 x AFN 30-3
70 120 28.0 32.0 7 405 127 755 C 3 x AFN 36-3 150 300 31.5 41.0 7 405 127 755 C 3 x AFN 36-4 400 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-6 For use in heavy polluted areas (terminations with an increased creepage length) 70 120 28.0 32.0 11 535 127 1079 E 3 x AFNP 36-3 150 300 31.5 41.0 11 535 127 1079 E 3 x AFNP 36-4 400 630 39.0 50.0 11 535 127 1079 E 3 x AFNP 36-5		400	630	39.0	50.0	7	405	127	755	D	3 x AFN 36-5
42		630	1000	46.0	58.0	7	405	127	755	D	3 x AFN 36-6
42 400 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-5 630 1000 46.0 58.0 7 405 127 755 C 3 x AFN 36-6 For use in heavy polluted areas (terminations with an increased creepage length) 70 120 28.0 32.0 11 535 127 1079 E 3 x AFNP 36-3 42 150 300 31.5 41.0 11 535 127 1079 E 3 x AFNP 36-4 400 630 39.0 50.0 11 535 127 1079 E 3 x AFNP 36-5	42	70	120	28.0	32.0	7	405	127	755	С	3 x AFN 36-3
400 630 39.0 50.0 7 405 127 755 C 3 x AFN 36-5		150	300	31.5	41.0	7	405	127	755	С	3 x AFN 36-4
For use in heavy polluted areas (terminations with an increased creepage length) 70		400	630	39.0	50.0	7	405	127	755	С	3 x AFN 36-5
70 120 28.0 32.0 11 535 127 1079 E 3 x AFNP 36-3 150 300 31.5 41.0 11 535 127 1079 E 3 x AFNP 36-4 400 630 39.0 50.0 11 535 127 1079 E 3 x AFNP 36-5		630	1000	46.0	58.0	7	405	127	755	С	3 x AFN 36-6
42 150 300 31.5 41.0 11 535 127 1079 E 3 x AFNP 36-4 400 630 39.0 50.0 11 535 127 1079 E 3 x AFNP 36-5		For	use in	heavy pol	luted area	as (termino	itions w	ith an iı	ncreased cre	epage leng	th)
42 400 630 39.0 50.0 11 535 127 1079 E 3 x AFNP 36-5	42	70	120	28.0	32.0	11	535	127	1079	Е	3 x AFNP 36-3
400 630 39.0 50.0 11 535 127 1079 E 3 x AFNP 36-5		150	300	31.5	41.0	11	535	127	1079	E	3 x AFNP 36-4
630 1000 46.0 58.0 11 535 127 1079 E 3 x AFNP 36-6		400	630	39.0	50.0	11	535	127	1079	E	3 x AFNP 36-5
		630	1000	46.0	58.0	11	535	127	1079	E	3 x AFNP 36-6



For higher pollution class please contact our representative.

EXAMPLE:

A set of 3 outdoor terminations for a 24 kV - 240 mm² stranded aluminium cable with copper wire screen. The diameter over core insulation is 30.4 mm.



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

Order a 3 x AFN 20-2 termination kit. Include cable lug yes/no. Include watersealing mastic yes/no.



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



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



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



Can be supplied with all common types of cable lugs.

800



No heating or flame is required.