

AFN SLIP-ON OUTDOOR TERMINATION

Up to 42 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
20.8/36 (42) kV

Application

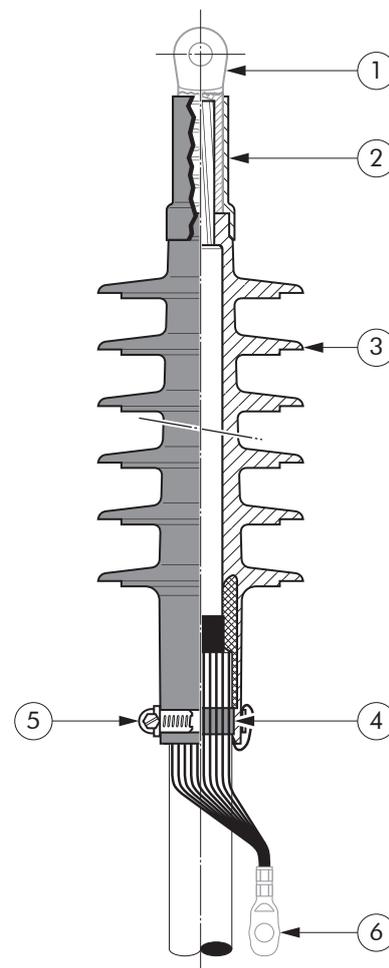
A kit of 3 terminations for use outdoors and exposed to prolonged sunshine and other weather conditions.

To connect polymeric insulated cable to equipment and for the outdoor terminating on to overhead lines or bus bars.

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).



Specifications and standards

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

| Termination type | Voltage U_m (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 | 150 | 1000 |

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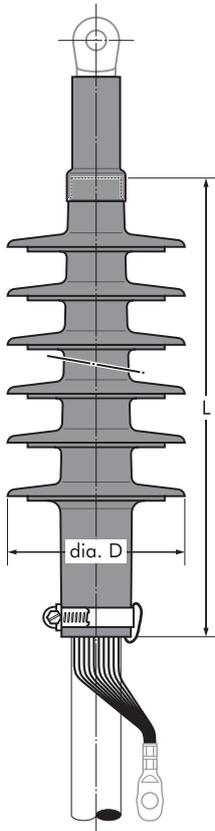
Kit contents

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.

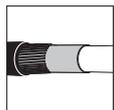


| Voltage Um (kV) | Conductor sizes (mm ²) | | Diameter over core insulation (mm) | | Number of sheds | L (mm) (max) | Dia. D (mm) | Creepage distance (mm) | Ordering part number |
|--|--|------|--|------|--------------------|--------------------|----------------|------------------------------|-------------------------|
| | 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 |

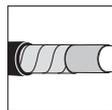
Example:

A set of 3 outdoor terminations
for a 24 kV - 240 mm² 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.



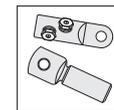
For use with
copper tape
screened cables.
Order: -/MT.



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.