

AIN INDOOR TERMINATIONS

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.

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 (41.5) kV

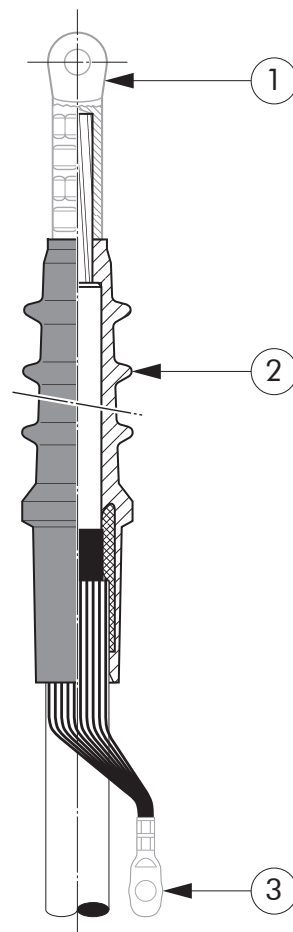
Design

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).

Specifications and standards

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



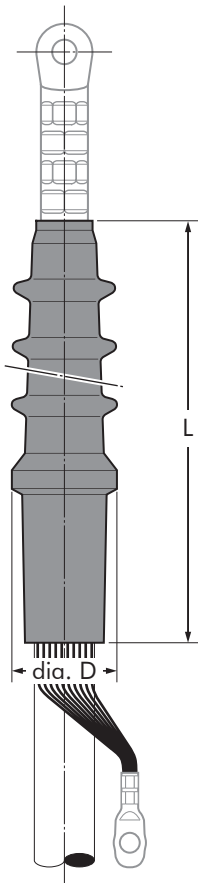
Termination type	Voltage Um (kV)	Conductor sizes (mm ²)	
		min.	max.
AIN 10	12	25	1000
AIN 20	24	35	1000
AIN 30	36	50	800
AIN 36	42	150	800

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.



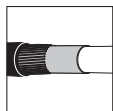
Voltage U_m (kV)	Conductor sizes (mm ²)		Diameter over core insulation (mm)		Number of sheds	L (mm)	Dia. D (mm)	Ordering part number
	min.	max.	min.	max.				
12	25	95	13.5	20.8	2	150	37	3 x AIN 10-1-H
	120	240	19.4	28.4	2	150	43	3 x AIN 10-2-H
	300	500	27.4	36.6	2	150	60	3 x AIN 10-3-H
	800	1000	40.0	55.0	7	330	127	3 x AIN 10-4-H
24	35	70	18.3	23.4	3	225	47	3 x AIN 20-1-H
	95	240	23.0	32.6	3	225	56	3 x AIN 20-2-H
	300	630	31.6	43.5	3	225	62	3 x AIN 20-3-H
	500	1000	40.0	55.0	7	330	127	3 x AIN 20-4-H
36	50	70	24.2	28.4	6	300	74	3 x AIN 30-1-H
	95	240	27.3	37.6	6	300	74	3 x AIN 30-2-H
	240	400	31.5	42.8	6	300	81	3 x AIN 30-3-H
	400	800	40.0	55.0	7	330	127	3 x AIN 30-4-H
42	150	300	31.5	42.8	7	330	127	3 x AIN 36-3-H
	400	800	40.0	55.0	7	330	127	3 x AIN 36-4-H

Example:

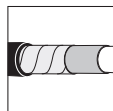
A set of 3 indoor terminations
for a 24 kV - 240 mm² stranded
aluminium cable with copper wire
screen without cable lugs.

The diameter over core insulation
is 30.4 mm.

Order a 3 x AIN 20-2-H
termination kit.



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



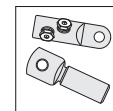
For use with
copper tape
screened cables.
Order: -/MT.



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.