

EXeCVB

Medium voltage cable, 8,7/15 kV, 12/20 kV
+90 °C service temperature, single core, longitudinally watertight, fire retardant, PVC sheath
NBN HD 620-10B-A

Application

Medium voltage cable with improved fire characteristics for power stations, industrial applications and distribution networks. The good installation properties of this cable make installation easy, even on challenging routes and in difficult conditions. This cable is longitudinally water tight preventing water propagation along the cable.

For fixed installation indoors and outdoors, in ground without additional protection and in cable ducts if no posterior mechanical damage is to be expected. This constructions is particularly suitable for underground installation.

Construction



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|---------------------------------|--|
| 1. Conductor: | Copper conductor, bare, stranded (class 2) |
| 2. Inner semi-conductive layer: | Extruded semi-conductive material |
| 3. Insulation: | XLPE (cross-linked polyethylene) |
| 4. Outer semi-conductive layer: | Extruded semi-conductive material |
| 5. Separator under screen: | Semi-conductive swellable tape |
| 6. Screen: | Copper wires with helix copper tape |
| 7. Separator over screen: | Swellable tape |
| 8. Outer sheath: | PVC , red |

Technical information

Rated voltage	U_0/U	8,7/15 kV	12/20 kV
Max. permitted operating voltage	U_{max} AC	17,5 kV	24 kV
Max. permissible temperature at conductor		90 °C	
Max. short circuit temperature of the conductor		250 °C (max. 5 sec)	
Min. temperature during installation		-5 °C	
Min. bending radius mm	fixed installation	15 x outer diameter in mm	
Max. tensile load on the conductor		50 N / mm ²	

Safety parameters

Flame propagation	bunched cable	IEC 60332-3-24
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Additional parameters

Longitudinally water tight

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N° of cores and size mm ²	Insulation thickness mm	Diameter of insulation approx. mm	Outer sheath thickness mm.	Outer diameter approx. mm	Cable weight approx. kg/km
8,7/15 kV					
1 x 25 rm/16	4,5	16,0	2,6	27	920
1 x 50 rm/16	4,5	18,5	2,6	29	1200
1 x 95 rm/25	4,5	22,0	2,6	33	1830
1 x 150 rm/25	4,5	24,5	2,9	36	2440
1 x 240 rm/25	4,5	29,0	3,1	41	3470
1 x 400 rm/35	4,5	34,0	3,3	47	5190

12/20 kV					
1 x 50 rm/16	5,5	20,5	2,6	32	1270
1 x 95 rm/25	5,5	24,0	2,7	36	1920
1 x 150 rm/25	5,5	27,0	3,0	39	2530
1 x 240 rm/25	5,5	31,0	3,1	44	3500
1 x 400 rm/35	5,5	36,0	3,3	49	5180

Other sizes on request

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.