

EXeCGB B2_{ca}

Medium voltage cable, 8,7/15 kV
90 °C service temperature, halogen free, fire retardant
NBN HD 620-10B-A and EN 50575

Application

Halogen-free medium voltage cable with improved fire characteristics. May be used as power supply cable in public networks and industrial plants. For buildings with high concentrations of people or valuable equipment, especially in difficult evacuation conditions. These cables may be used for fixed installation indoors and outdoors, on racks, or in conduits. The cable is not suitable for direct burial, not UV or water resistant.

Construction



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| 1. Conductor: | Copper conductor, bare, stranded (class 2) |
| 2. Inner semi-conducting layer: | Extruded semi-conductive material |
| 3. Insulation: | XLPE |
| 4. Outer semi-conducting layer | Extruded semi-conductive material |
| 5. Separator under screen: | Semi-conducting swelling tape |
| 6. Screen: | Copper screen |
| 7. Separator over screen: | Swelling tape (longitudinal water-tightness of the screen) |
| 8. Outer sheath: | Halogen free outer sheath, red |

Technical information

Rated voltage	U ₀ /U	8,7 /15 kV
Max. permissible temperature at conductor		90 °C
Max. short circuit temperature of the conductor		250 °C (max. 5 sec)
Operating temperature	fixed installed	-5 °C to 70 °C
Min. temperature during installation		0 °C
Min. bending radius mm		15 x outer diameter in mm

Safety parameters

Reaction to fire		EN 50399 B2 _{ca} – s1a, d1, a1
Flame spread	single cable	IEC 60332-1-2
	bunched cables	IEC 60332-3-24
Halogen free		IEC 60754-1
Smoke density		IEC 61034-1

N° of cores and cross section mm ²	Insulation thickness approx. mm	Sheath thickness approx. mm	Diameter approx. kg/km	Weight approx. kg/km
1 x 25rm/16	4,5	2,6	30,0	1.090
1 x 50rm/16	4,5	2,6	32,0	1.380
1 x 95rm/25	4,5	2,6	36,0	2.030
1 x 150rm/25	4,5	2,9	39,0	2.655
1 x 240rm/25	4,5	3,1	44,0	3.675
1 x 400rm/35	4,5	3,3	50,0	5.360

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