

EAXeCWB 6mm insulation

Medium voltage cable, 20,8/36 kV
+90 °C service temperature, single core, reduced insulation thickness, PE sheath
NBN HD 620-10B-C

Application

Medium voltage cable with reduced insulation thickness for power stations, industrial applications and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation. This cable is longitudinally water tight preventing water propagation along the cable. For fixed installation indoors and outdoors, in ground and in cable ducts where mechanical damage is not expected. This construction is particularly suitable for underground installation.

Construction



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|---------------------------------|---|
| 1. Conductor: | Aluminium conductor, 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: | PE (polyethylene), red |

Technical information

Rated voltage	U_0/U	20,8/36 kV
Max. permitted operating voltage	$U_{max AC}$	42 kV
Max. permissible temperature at conductor		90 °C
Max. short circuit temperature of the conductor		250 °C (max. 5 sec)
Min. temperature during installation		-20 °C
Min. bending radius mm	fixed installation	15 x outer diameter in mm
Max. tensile load on the conductor		30 N / mm ²

Safety parameters

Zero halogen

Additional parameters

Longitudinally water tight

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N° of cores and cross section	Insulation thickness	Diameter over insulation	Sheath thickness	Outer diameter	Weight
mm ²	approx. mm	approx.. mm	approx. mm	approx. mm	approx. kg/km
1 x 240 rm/25	6,0	31,6	2,4	42,0	1755
1 x 400 rm/25	6,0	36,6	2,4	47,0	2325
1 x 630 rm/25	6,0	44,0	2,6	54,8	3220

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