EAXeCWB

8,7 kV/15 kV | www.b-cables.be

Middle voltage power cables

The single-core cables with insulation of cross-linked polyethylene (XLPE) and longitudinal water-blocking elements are designed for transfer and distribution of electrical power with nominal voltage Uo/U 8.7/15kV and frequency 50 Hz in urban and district electrical networks and for electrical supply of transformer's substations, small and medium industrial plants. The cables are for fixed assembly in lines with unlimited difference levels, indoor installations, in cable ducts, conduits and shafts, over shelves and grills directly underground in ditch and outdoor shelter.

Beschrijving van de kabel / Construction du câble

Constructie / Construction

According to HD 620 S2 part 10B-B
Al stranded compacted, according to EN 60228 class 2 and
semiconductive tape semi-conductive XLPE compound
XLPE compound
semi-conductive XLPE compound
Layer of semi-conductive water absorbing tapes
Cu wires concentrically laid and one contact of Cu tape with thickness of 0.1mm.
water absorbing insulating tape
PE compound type HDPE
Black or red

Normen / Normes

HD 620 S2 PART 10B-B
EN 60 332 24=F2

Technical data

Conductor resistance at 20 °C	According to EN 60228 class 2
Operating temperature	90 °C continuous operation
Overload temperature	120 °C /100h per year max./
Short circuit temperature	250 °C /5 s max./
Nominal voltage Uo/U:	8.7/15kV
Highest system voltage Uo/U, no more than	17.5kV
Test voltage Uo/U AC (») - 5 min	34.8kV
Level of partial discharge at 2*Uo	max. 2 pC
Bending radius, min	15xD cable
Temperature of laying	no less than - 15 °C
Temperature of exploitation	-30 to 50 °C
Tests	according to HD 620 S2 part 10BB
Force of strain in laying N max.	Al cores - 30*n*S core

where: N is number of cores and
S is cross section of cores in mm