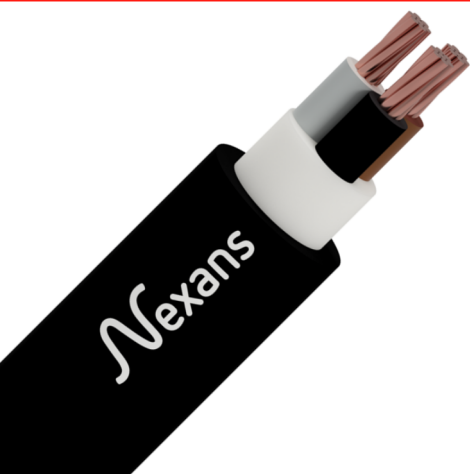




Nexans Ref.: 10540558

FIRE PERFORMANCE CLASS



B2ca-s1,d1,a1

0.6/1 kV XLPE insulated multi core, halogen free, flame retardant cables

STANDARDS

Product DIN VDE 0276 part 604; IEC 60502-1

KEY CHARACTERISTICS

Construction characteristics

Conductor flexibility

Solid class 1

Usage characteristics

Bending factor when laying

8 (xD)

APPLICATION



Halogen free
IEC 60754-1



Conductor flexibility
Solid class 1



Rated Voltage U₀/U_i
(Um)
0,6/1 kV



Operating temp.
-20 ... 90 °C



Bending factor
when laying
8 (xD)



Flame retardant
IEC 60332-3 Cat. C



Smoke density
IEC 61034-2



Gases corrosivity
IEC 60754-2

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor shape	Circular solid (RE)
With smaller neutral conductor	No
Insulation	XLPE (Cross-linked Polyethylene)
Outer sheath	LSZH
Halogen free	IEC 60754-1
Conductor flexibility	Solid class 1
Core identification	Brown, black, grey
Sheath colour	Black
With Green/Yellow core	No

Dimensional characteristics

Number of cores	3
Conductor cross-section	1.5 mm ²
Neutral conductor section (when smaller)	- mm ²
Nominal outer diameter	9.9 mm
Approximate weight	150 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	0,6/1 kV
Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Perm current rating in air 30°C	23 A
Permissible current rating buried/direct 20°C	23 A

Usage characteristics

Operating temperature, range	-20 ... 90 °C
Short-circuit max. conductor temperature	250 °C
Bending factor when laying	8 (xD)
Flame retardant	IEC 60332-3 Cat. C
Smoke density	IEC 61034-2
Gases corrosivity	IEC 60754-2
Standard	-
U.V resistance	