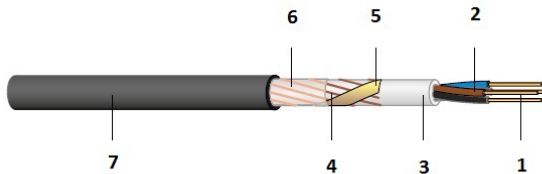


N2XCH

Safety cable, 0.6/1kV, Euroclass Cca

halogen-free, with improved fire characteristics,
CENELEC HD 604 S1, VDE 0276-604



- 1 Conductor: solid/ stranded
- 2 Insulation: cross-linked PE, zero halogen
- 3 Filler: flame retardant, zero halogen
- 4 Concentric conductor: bare copper wire
- 5 Reinforcing helix: bare copper tape
- 6 Separator: plastic tape
- 7 Sheath: FRNC/LSZH



Description

For permanent installation in dry, damp or wet areas, on or behind plasterwork or in walls or concrete. Also suitable for outdoor applications.

The cable should only be laid directly in earth or water if a protective conduit is used.
Permitted operating temperature at conductor of +90°C.

Construction

Concentric conductor	Bare copper wires with reinforced helix
Conductor	Bare copper, solid or stranded, IEC 60228 and EN 60228 (VDE 0295)
Core colours	CENELEC HD 308 S2, VDE 0293
Filler	Halogen-free compound or plastic tape
Insulation	Cross-linked Polyethylene, CENELEC HD 604 S1 and VDE 0276-604
Outer sheath material	Flame retardant Polyolefin compound, CENELEC HD 604 S1 and VDE 0276-604 "HM4"

General Properties

Installation temperature	-5 °C - +50 °C
Operating temperature	-45 °C - +90 °C

Mechanical properties

Minimum bending during installation (multi core)	12 x D
Minimum bending radius permanent (multi core)	12 x D
Remarks bending radius	*50% reduction if installation at 30°C and with a template

Standards

Reaction to fire (Euroclasses)	EN 13501-6
Zero halogen no corrosive gases	IEC 60754-1/-2, EN 60754-1/-2, VDE 0482-754-1/-2, AREI-RGIE Art.104-SA
Flame Propagation	IEC 60332-1-2, EN 60332-1-2, VDE 0482-332-1-2, AREI-RGIE Art.104-F1
Flame Spread	IEC 60332-3-24, EN 60332-3-24, AREI-RGIE Art.104-F2
Smoke Density	IEC 61034-1/-2, EN 61034-1/-2, VDE 0482-1034-1/-2, AREI-RGIE Art.104-SD

Versions

Material number	Product	Reaction To Fire	Diameter mm ²	Outer sheath diameter [mm]	CU rate [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Conductor	Construction	Packing unit
17017204CZ	N2XCH 3 x 50/25	Cca-s1,d1,a1	50/25	29	1,723	1,990	2.72	solid	3L	by the metre
17017504CZ	N2XCH 3 x 70/35	Cca-s1,d1,a1	70/35	34.8	2,410	2,830	4.11	stranded	3L	by the metre
17019704CZ	N2XCH 3 x 95/50	Cca-s1,d1,a1	95/50	37.7	3,296	4,350	4.60	stranded	3L	by the metre
17017404CZ		Cca-s1,d1,a1	120/70			5,270		stranded		by the metre
17019804CZ	N2XCH 3 x 150/70	Cca-s1,d1,a1	150/70	45.6	5,100	5,450	6.68	stranded	3L	by the metre
17018404CZ	N2XCH 4 x 50/25	Cca-s1,d1,a1	50/25	34.4	2,203	2,600	3.38	stranded	3LN	by the metre
17018504CZ	N2XCH 4 x 70/35	Cca-s1,d1,a1	70/35	40.5	3,082	3,550	4.48	stranded	3LN	by the metre
17018604CZ	N2XCH 4 x 95/50	Cca-s1,d1,a1	95/50	44.4	4,208	4,800	5.44	stranded	3LN	by the metre
17018704CZ	N2XCH 4 x 120/70	Cca-s1,d1,a1	120/70	48.3	5,382	6,500	6.38	stranded	3LN	by the metre
17018804CZ	N2XCH 4 x 150/70	Cca-s1,d1,a1	150/70	53.2	6,540	7,950	7.97	stranded	3LN	by the metre
17018904CZ	N2XCH 4 x 185/95	Cca-s1,d1,a1	185/95	58.9	8,159	9,970	9.86	stranded	3LN	by the metre

Additional dimensions available on request. DoP on request.

Subject to technical modification

As of 2020-12-03 13:13:44