

## N2XH

Safety cable, single-core, 0.6/1kV, Euroclass Cca

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



- 1 Conductor: solid/stranded
- 2 Insulation: zero halogen
- 3 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

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 (single core)	15 x D
Minimum bending radius permanent (single core)	15 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

## Note

Additional dimensions available on request.

## Versions

Material number	Product	Reaction To Fire	Diameter mm <sup>2</sup>	Outer sheath diameter [mm]	CU rate [kg\km]	Weight [kg\km]	Fire load [kWh\m]	Conductor	Construction	Packing unit
17000301CZ	N2XH-O 1 x 16	Cca-s1a,d2,a1	16	9.8	154	230	0.36	stranded	L	by the metre
17000401CZ		Cca-s1a,d2,a1	25			345		stranded		by the metre
17000501CZ		Cca-s1a,d2,a1	25			345		stranded		by the metre
17001001CZ		Cca-s1a,d2,a1	35			445		stranded		by the metre
17002601CZ	N2XH-J 1 x 35	Cca-s1a,d2,a1	35	12.9	336	445	0.55	stranded	PE	by the metre
17000601CZ		Cca-s1a,d2,a1	50			600		stranded		by the metre
17000701CZ		Cca-s1a,d2,a1	50			600		stranded		by the metre
17001801CZ		Cca-s1a,d2,a1	70			810		stranded		by the metre
17003001CZ	N2XH-J 1 x 70	Cca-s1a,d2,a1	70	16.2	672	810	0.84	stranded	PE	by the metre
17000801CZ		Cca-s1a,d2,a1	95			1,070		stranded		by the metre
17000901CZ	N2XH-J 1 x 95	Cca-s1a,d2,a1	95	18.1	912	1,070	0.97	stranded	PE	by the metre
17001901CZ	N2XH-O 1 x 120	Cca-s1a,d2,a1	120	19.6	1,152	1,330	1.10	stranded	L	by the metre
17002501CZ		Cca-s1a,d2,a1	120			1,330		stranded		by the metre
17002001CZ		Cca-s1a,d2,a1	150			1,620		stranded		by the metre
19156601CZ		Cca-s1a,d2,a1	150			1,620		stranded		by the metre
17001101CZ		Cca-s1a,d2,a1	185			1,990		stranded		by the metre
17003101CZ	N2XH-J 1 x 185	Cca-s1a,d2,a1	185	24.7	1,776	1,990	1.72	stranded	PE	by the metre
17001201CZ		Cca-s1a,d2,a1	240			2,570		stranded		by the metre
17001301CZ	N2XH-O 1 x 300	Cca-s1a,d2,a1	300	29.8	2,880	3,180	2.58	stranded	L	by the metre
17002901CZ		Cca-s1a,d2,a1	300			3,180		stranded		by the metre

DoP on request.

Subject to technical modification

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