N2XH

Safety cable, multicore, 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 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.

Costruzione

Colori delle anime	CENELEC HD 308 S2, VDE 0293
Conduttore	Bare copper, solid or stranded, IEC 60228 and EN 60228 (VDE 0295)
Isolamento	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"
Riempitrice	Halogen-free compound or plastic tape

Proprietà generali

Installation temperature	-5 °C - +50 °C
Integrità del circuito	No
Integrità dell'isolamento	No
Operating temperature	-45 °C - +90 °C

Proprietà meccaniche

Curvatura minima durante l'installazione (multicore)	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: C_{ca}
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	AREI-RGIE Art.104-F1, EN 60332-1-2, IEC 60332-1-2, VDE 0482-332-1-2
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

Nota

Additional dimensions available on request.

Versions

Numero Materiale	Product	Reaction To Fire	Numero di core	Diametro mm^2	Diametro mm	Diametro esterno della guaina [mm]	Tasso di CU [kg\km]	Weight [kg\ km]	Fire load [kWh\m]	Conductor	Construction	Packing unit
19052400CZ	N2XH-J 2 x 1.5	Cca-s1a,d1,a1	2	1.5	1,5	11,5	29	180	0,38	solid	LN	
18820100CZ	N2XH-J 3 x 1.5	Cca-s1a,d1,a1	3	1.5		9,3	43	200	0,44	solid	LNPE	al metro
17009500CZ	N2XH-J 7 x 1.5	Cca-s1a,d1,a1	7	1.5	1,5	14,0	101	310	0,73	solid	5LNPE	al metro
17009900CZ	N2XH-J 12 x 1,5	Cca-s1a,d1,a1	12	1.5	1,5	18,0	173	460	1,03	solid	10LNPE	al metro
18820400CZ	N2XH-J 3 x 2.5	Cca-s1a,d1,a1	3	2.5		10,3	72	250	0,51	solid	LNPE	al metro
18834900CZ	N2XH-J 3 x 4	Cca-s1a,d1,a1	3	4		11	115	330	0,60	solid	LNPE	al metro
18821000CZ	N2XH-J 3 x 6	Cca-s1a,d1,a1	3	6		12,5	173	410	0,70	solid	LNPE	al metro
19050500CZ	N2XH-J 3 x 10	Cca-s1a,d1,a1	3	10		14,2	288	550	0,83	solid	LNPE	al metro
16998100CZ	N2XH-J 3 x 70	Cca-s1a,d1,a1	3	70		26,9	2.016	2.550	3,81	stranded	LNPE	al metro
16998500CZ	N2XH-J 3 x 95	Cca-s1a,d1,a1	3	95		30	2.736	3.360	3,40	stranded	LNPE	al metro
16998400CZ	N2XH-J 3 x 120	Cca-s1a,d1,a1	3	120		33,2	3.456	4.160	3,97	stranded	LNPE	al metro
16998600CZ	N2XH-J 3 x 150	Cca-s1a,d1,a1	3	150		37,1	4.320	5.180	4,93	stranded	LNPE	al metro
18820200CZ	N2XH-J 4 x 1.5	Cca-s1a,d1,a1	4	1.5		10,2	58	230	0,52	solid	3LPE	al metro
18820500CZ	N2XH-J 4 x 2.5	Cca-s1a,d1,a1	4	2.5		11,1	96	290	0,60	solid	3LPE	al metro
18820800CZ	N2XH-J 4 x 4	Cca-s1a,d1,a1	4	4		12,4	154	380	0,72	solid	3LPE	al metro
18821100CZ	N2XH-J 4 x 6	Cca-s1a,d1,a1	4	6		13,6	230	490	0,83	solid	3LPE	al metro
18821400CZ	N2XH-J 4 x 10	Cca-s1a,d1,a1	4	10		15,7	384	670	1,03	solid	3LPE	al metro
18821700CZ	N2XH-J 4 x 16	Cca-s1a,d1,a1	4	16		19,1	614	960	1,50	stranded	3LPE	al metro
16998602CZ	N2XH-J 4 x 25	Cca-s1a,d1,a1	4	25		23,6	960	1.450	2,14	stranded	3LPE	al metro
18802800CZ	N2XH-J 4 x 35	Cca-s1a,d1,a1	4	35		26	1.344	1.850	2,57	stranded	3LPE	al metro
16998700CZ	N2XH-J 4 x 50	Cca-s1a,d1,a1	4	50		27,6	1.920	2.410	3,15	stranded	3LPE	al metro
18803000CZ	N2XH-J 4 x 70	Cca-s1a,d1,a1	4	70		34,6	2.688	3.340	4,17	stranded	3LPE	al metro
18822400CZ	N2XH-J 4 x 95	Cca-s1a,d1,a1	4	95		39,1	3.648	4.380	5,16	stranded	3LPE	al metro
16998800CZ	N2XH-J 4 x 120	Cca-s1a,d1,a1	4	120		39,2	4.608	5.421	5,37	stranded	3LPE	al metro
16998900CZ	N2XH-J 4 x 150	Cca-s1a,d1,a1	4	150		43,6	5.760	6.690	6,61	stranded	3LPE	al metro
18820302CZ	N2XH-J 5 x 1.5	Cca-s1a,d1,a1	5	1.5		11,8	72	270	0,62	solid	3LNPE	al metro
18820602CZ	N2XH-J 5 x 2.5	Cca-s1a,d1,a1	5	2.5		12,7	120	340	0,71	solid	3LNPE	al metro
18835700CZ	N2XH-J 5 x 4	Cca-s1a,d1,a1	5	4		13,4	192	450	0,85	solid	3LNPE	al metro

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18835800CZ	N2XH-J 5 x 6	Cca-s1a,d1,a1	5	6		14,9	288	560	0,99	solid	3LNPE	al metro
18821500CZ	N2XH-J 5 x 10	Cca-s1a,d1,a1	5	10		17,1	480	790	1,22	solid	3LNPE	al metro
18821800CZ	N2XH-J 5 x 16	Cca-s1a,d1,a1	5	16		21,3	768	1.085	1,87	stranded	3LNPE	al metro
18822000CZ	N2XH-J 5 x 25	Cca-s1a,d1,a1	5	25		25,5	1.200	1.620	3,32	stranded	3LNPE	al metro
19259500CZ	N2XH-J 5 x 35	Cca-s1a,d1,a1	5	35		28,5	1.680	2.163	4,12	stranded	3LNPE	al metro
16997800CZ	N2XH-J 5 x 70	Cca-s1a,d1,a1	5	70		37,6	3.360	4.326	4,51	stranded	3LNPE	al metro
16998000CZ	N2XH-J 5 x 95	Cca-s1a,d1,a1	5	95		45,8	4.560	5.800	5,23	stranded	3LNPE	al metro
16998200CZ	N2XH-J 5 x 120	Cca-s1a,d1,a1	5	120		45,8	5.760	6.070	6,90	stranded	3LNPE	al metro
16998300CZ	N2XH-J 5 x 150	Cca-s1a,d1,a1	5	150		51	7.200	7.680	8,52	stranded	3LNPE	al metro

DoP on request. Euroclass $B2_{ca}$ also availlable.