



N2XH-J/O



Reaction to Fire CPR: Eca

LSOH sheathed cables with improved properties in the event of fire, with solid or stranded conductor for fixed wiring.

Rated voltage

Uo/U 0,6/1 kV

Standards

DIN VDE 0276-604; VDE 0295 cl.1 or cl.2 ; EN 50267-2-1 (DIN VDE 0482-267-2-1); EN 50267-2-2 (DIN VDE 0482-267-2-2); EN IEC 61034-1 (DIN VDE 0482-1034-1); EN IEC 61034-2 (DIN VDE 0482-1034-2); EN IEC 60332-1 serie (DIN VDE 0482-332-1); EN IEC 60332-3-24 (Kat.C) (DIN VDE 0482-332-3-24 (Kat.C)); EN 50575:2014+A1:2016.

Regulation Construction Products

305/2011 EU.

European directives

2014/35/UE (LVD) - 2011/65/CE e 2015/863/EU (RoHS).

Conductor

Annealed plain copper, solid (RE) class 1 or stranded (RM) class 2 EN 60228.

Insulation

Cross-linked Polyethylene type 2XL1.

Colour of the core: green/yellow (N2XH-J) or black (N2XH-O).

Sheath

Thermoplastic halogen-free compound type HM4. Colour: black.

Marking

Continuous marking on the sheath: « I.C.E.L. N2XH-J or N2XH-O nominal cross section 0,6/1 kV

<VDE> 0276 production date ». Progressive meter marking.

Guidance for Use

To be installed in buildings or industrial plants where many people and goods are present. As these cables don't develop corrosive and halogen gases in the event of fire, and also the smoke generation is limited and not opaque, the damage caused in case of fire is limited. They can be installed on, in and under the wall-surface, in dry, humid and wet locations, indoors or outdoors when protected from solar radiation, but not directly in ground and water.

According to CPR EN 50399



EN IEC 60332-1-2



Minimum installation and handling temp -5 °C



Maximum operating temperature on the conductor

90 °C

Maximum short circuit temperature (max 5 sec)

250 °C

Minimum usage temperature -30 °C



Maximum tensile stress 5 kg/mm²



Minimum internal bending radii 15 times the overall diameter



low emission of smoke LSOH



Low emission toxic and corrosive gas LSOH



According to RoHS

RoSH free

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Number and Nominal cross sectional area n x mm ²	Thickness of insulation specified value mm	Thickness of sheath specified value mm	Outer Diameter approx. mm	Weight approx. kg/km	Maximum resistance of conductors at 20 °C ohm/km
1 x 1,5 RE	0,8	1,8	6,7	14	12,1
1 x 2,5 RE	0,8	1,8	7,1	26	7,41
1 x 4 RE	1,0	1,8	8,0	38	4,61
1 x 6 RE	1,0	1,8	8,5	58	3,08
1 x 10 RE	1,0	1,8	9,3	95	1,83
1 x 16 RM	1,0	1,8	10,8	155	1,15
1 x 25 RM	1,2	1,8	12,3	240	0,727
1 x 35 RM	1,2	1,8	13,3	335	0,524
1 x 50 RM	1,4	1,8	14,8	480	0,387
1 x 70 RM	1,4	1,8	16,6	670	0,268
1 x 95 RM	1,6	1,8	18,8	910	0,193
1 x 120 RM	1,6	1,8	20,2	1150	0,153
1 x 150 RM	1,8	1,8	22,1	1430	0,124
1 x 185 RM	2,0	1,8	24,2	1775	0,0991
1 x 240 RM	2,2	1,8	27,1	2300	0,0754
1 x 300 RM	2,4	1,9	29,9	2870	0,0601
1 x 400 RM	2,6	2,0	34,0	3830	0,0470
1 x 500 RM	2,8	2,1	38,0	4800	0,0366