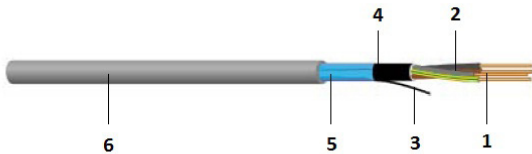


(N)HXM(St)H

Shielded power cable, 300/500V

halogen-free, with improved fire characteristics,
VDE 0250-214



- 1 Conductor: solid/stranded
- 2 Insulation: cross-linked PE, zero halogen
- 3 Drain wire: tinned copper
- 4 Filler: flame retardant, zero halogen
- 5 Shielding: Al-laminated tape
- 6 Sheath: FRNC/LSZH



Description

For permanent installation in dry, damp or wet areas, on or behind plasterwork or in walls or concrete, except for direct embedding in cast, rammed or vibrated concrete.

Also suitable for outdoor applications.

Permitted operating temperature at conductor of +70°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
Insulation	Cross-linked Polyethylene, CENELEC HD 604 S1 and VDE 0276-604 "2X11"
Outer sheath material	Polyolefin compound, VDE 0250-214 "HM2"
Shielding	Al-laminated tape with tinned copper drain wire

General Properties

Imprint	On request
Installation temperature	5 °C - +50 °C
Operating temperature	-40 °C - +90 °C

Mechanical properties

Minimum bending during installation (multi core)	6 x D
Minimum bending radius permanent (multi core)	4 x D

Standards

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	Diameter mm ²	Outer sheath diameter [mm]	CU rate [kg/km]	Weight [kg/km]	Fire load [kWh/m]	Conductor	Construction
1301193	(N)HXM(S)tH-J 3 x 1.5/1.5	1.5/1.5	9	43	150	0.36	solid	LNPE
1301194	(N)HXM(S)tH-J 3 x 2.5	2.5	10	72	150	0.42	solid	LNPE
1301212	(N)HXM(S)tH-J 4 x 1.5/1.5	1.5/1.5	10	58	176	0.41	solid	2LNPE
1301213	(N)HXM(S)tH-J 4 x 2.5/2.5	2.5/2.5	11	96	245	0.48	solid	2LNPE
1301214	(N)HXM(S)tH-J 5 x 1.5	1.5	11	72	222	0.48	solid	3LNPE
1301195	(N)HXM(S)tH-J 5 x 2.5	2.5	12	120	150	0.56	solid	3LNPE

Subject to technical modification

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