

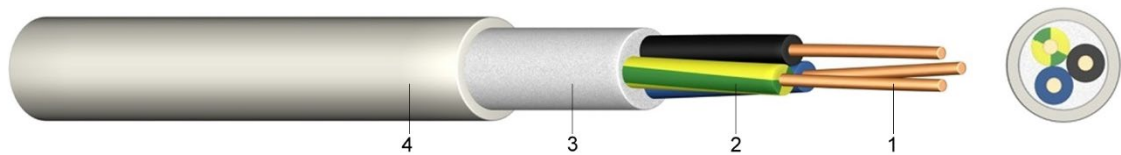
NHXMH

Safety installation cable, 300/500 V
+70 °C service temperature, low smoke, zero halogen, fire retardant
DIN VDE 0276-214 and EN 50575

Application

Zero halogen installation cable with improved fire characteristics for various industrial and domestic applications. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment. For fixed installation indoors, in air, concrete or masonry. Outdoor laying only permitted when protected from direct sunlight and other external impacts

Construction



- | | |
|----------------------|---|
| 1. Conductor: | Copper conductor, bare, solid (class 1) or stranded (class 2) |
| 2. Insulation: | Halogen free XLPE compound |
| Core identification: | according to HD 308 S2 |
| | -J: with green/yellow core -O: without green/yellow core |
| 3. Core covering: | Halogen free compound |
| 4. Outer sheath: | Halogen free compound, grey |

Technical information

Rated voltage	U ₀ /U	300/500 V
Test voltage		2 kV
Max. permissible temperature at conductor		70 °C
Max. short circuit temperature of the conductor		250 °C (max. 5 sec)
Min. operating temperature	fixed installation	-40 °C
Min. temperature during installation		-5 °C
Min. bending radius mm	fixed installation	4 x outer diameter in mm
Safety parameters		
Reaction to fire		EN 50399 E _{ca}
	on request	EN 50399 D _{ca} – s1, d2, a1
	on request	EN 50399 C _{ca} – s1, d2, a1
	on request	EN 50399 B2 _{ca} – s1, d0, a1
Flame spread	single cable	IEC 60332-1-2
	bunched cables	IEC 60332-3-24
Zero halogen		IEC 60754-1 /-2
Smoke density		IEC 61034-1/ -2

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N° of cores and cross section mm ²	Outer diameter approx. mm	Copper index approx. kg/km	Weight approx. kg/km
2 x 1,5 RE	8,5	29	93
2 x 2,5 RE	9,0	48	125
3 x 1,5 RE	9,2	43	104
3 x 2,5 RE	10,0	72	137
3 x 4 RE	12,0	115	204
3 x 6 RE	13,0	173	292
3 x 10 RE	16,0	288	450
4 x 1,5 RE	9,0	58	133
4 x 2,5 RE	10,5	96	174
4 x 4 RE	12,5	154	274
4 x 6 RE	14,0	230	354
4 x 10 RE	17,0	384	554
4 x 16 RM	22,0	614	857
4 x 25 RM	28,0	960	1310
4 x 35 RM	30,0	1.344	1730
5 x 1,5 RE	10,0	72	141
5 x 2,5 RE	11,0	120	203
5 x 4 RE	13,5	192	324
5 x 6 RE	15,0	288	437
5 x 10 RE	18,5	480	670
5 x 16 RE	22,5	768	1060
5 x 25 RM	28,0	1.200	1620
7 x 1,5 RE	10,5	101	195
7 x 2,5 RE	12,5	168	285
10 x 1,5 RE	14,5	144	280
12 x 1,5 RE	15,0	173	320
24 x 1,5 RE	19,5	346	570
24 x 2,5 RE	27,0	576	787

RE = round solid, class 1
RM = round stranded, class 2

La version française de cette fiche technique est disponible sur demande.
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.