

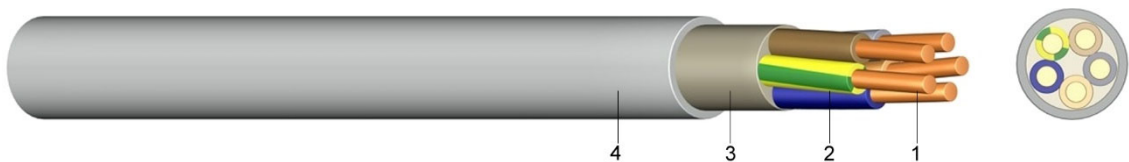
YMz1K

Safety installation cable, 0,6/1 kV
+90 °C service temperature, low-smoke, halogen free, fire retardant
HD 604 S1 part 5/sect. C and EN 50575

Application

Zero halogen installation cable with improved fire characteristics for various industrial and domestic applications where no mechanical damage is to be expected. Zero halogen cables are suitable for installation in environments where smoke and toxic fumes may threaten life or valuable equipment. For fixed installation in air, in ducts or cable tray. Underground installation is allowed provided that the cable is installed in a sufficiently drained tube (no water accumulation).

Construction



- | | |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Conductor: | Copper conductor, bare, solid (class 1) up to 6 mm ² or stranded (class 2) starting from 10mm ² From 35mm ² conductors with increased bendability |
| 2. Insulation: Identification: | XLPE insulation According to HD 308 S2 G = with green/yellow core X = without green/yellow core |
| 3. Core covering: | Halogen free compound |
| 4. Outer sheath: | Halogen free polyolefin, grey |

Technical information

| | |
|-------------------------------------------------|-----------------|
| Operating voltage | 0,6/1 kV |
| Max. permissible temperature at conductor | 90 °C |
| Max. short circuit temperature of the conductor | 250 °C |
| Installation temperature | 0 °C to 50 °C |
| Operating temperature | -25 °C to 90 °C |
| Min. bending radius mm | 12 x D |

Safety parameters

| | |
|------------------|---------------------------------------------------|
| Reaction to fire | EN 50399 C _{ca} – s1, d1, a1 |
| Reaction to fire | on request EN 50399 B2 _{ca} – s1, d1, a1 |

Additional parameters

UV resistance

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| N° of cores and cross section mm ² | Outer diameter approx. mm | Weight approx. kg/km |
|--------------------------------------------------|------------------------------|-------------------------|
| 2 x 1,5 RE | 10,3 | 151 |
| 2 x 2,5 RE | 11,1 | 186 |
| 2 x 4 RE | 11,9 | 233 |
| 3 x 1,5 RE | 10,5 | 165 |
| 3 x 2,5 RE | 11,4 | 208 |
| 3 x 4 RE | 12,5 | 274 |
| 3 x 6 RE | 13,6 | 351 |
| 4 x 1,5 RE | 11,2 | 192 |
| 4 x 2,5 RE | 12,2 | 247 |
| 4 x 4 RE | 13,4 | 326 |
| 4 x 6 RE | 14,6 | 423 |
| 4 x 10 RM | 18,5 | 600 |
| 4 x 16 RM | 21,2 | 925 |
| 4 x 25 RM | 25,0 | 1350 |
| 4 x 35 RM | 28,0 | 1920 |
| 4 x 50 RM | 31,5 | 2475 |
| 4 x 70 RM | 37,3 | 3455 |
| 4 x 95 RM | 41,5 | 4760 |
| 4 x 120 RM | 45,6 | 5930 |
| 4 x 150 RM | 51,0 | 7280 |
| 4 x 185 RM | 57,2 | 9160 |
| 4 x 240 RM | 63,7 | 11885 |
| 5 x 1,5 RE | 12,0 | 222 |
| 5 x 2,5 RE | 13,1 | 288 |
| 5 x 4 RE | 14,5 | 387 |
| 5 x 6 RE | 15,8 | 501 |
| 5 x 10 RM | 20,5 | 780 |
| 5 x 16 RM | 23,5 | 1125 |
| 5 x 25 RM | 26,5 | 1600 |
| 5 x 35 RM | 30,6 | 2335 |
| 5 x 50 RM | 35,0 | 3040 |
| 5 x 70 RM | 41,3 | 4290 |
| 5 x 95 RM | 46,0 | 5900 |
| 7 G 1,5 RE | 13,8 | 345 |
| 7 G 2,5 RE | 14,9 | 433 |

The above mentioned cross section also exists with green/yellow conductor.

G = with green/yellow core

X = without green/yellow core

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