

KLMA-HF C

Signal cable-HF

75 V

Application

Control cable for fixed installations indoors and outdoors. Not to be laid in soil nor directly in cast concrete. Can also be used in medical facilities where higher fire class is required. The conductor insulation must be protected against UV-radiation. Installations must be in accordance with national regulations and rules of installations. The cable is halogen-free and flame-retardant according to CPR-class Cca-s1,d1,a1.



Design

| | |
|----------------------------|---|
| Standards | SFS 2755 |
| Reaction to fire | Cca-s1,d1,a1; EN 13501-6, EN 50575:2014+A1:2016 |
| Conductor | Circular solid copper, EN/IEC 60228 class 1 |
| Insulation | Polyethylene compound |
| Core Identification | Blue, yellow Blue, yellow, white, red |
| Pair lay up | Insulated cores twisted in pairs. |
| Overall shield | Aluminium tape and earthing conductor |
| Inner covering | Plastic tape |
| Oversheath | UV-protected polyolefin compound, Grey |

Temperature limits

| | |
|---|-----|
| Max. conductor temperature °C | 70 |
| Max. cond. temp. short circuit max. 5 s °C | 160 |
| Min. cable temperature during operation °C | -40 |
| Min. cable temperature during handling °C | -10 |
| Min. cable temperature during transport °C | -40 |

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| Technical information | 2x0,8+0,8 | 4x0,8+0,8 |
|---|----------------|----------------|
| Product code | 1147416 | 1147417 |
| Nominal cross-sectional area of conductor mm ² | 0,5 | 0,5 |
| Nominal diameter of conductor mm | 0,8 | 0,8 |
| Nominal thickness of insulation mm | 0,4 | 0,4 |
| Nominal thickness of oversheath mm | 0,7 | 0,8 |
| Fire load MJ/m | 0,342 | 0,493 |
| Fire load kWh/m | 0,095 | 0,137 |
| Nominal cable diameter mm | 5,520 | 6,380 |
| Nominal cable weight kg/km | 35,655 | 54,737 |
| Nominal weight of copper kg/m | 0,013 | 0,023 |
| Maximum forces during installation when pulling by | | |
| Max. pulling force by pulling-eye kN | 0,0 | 0,1 |
| Minimum bending radii | | |
| Minimum bending radius, handling mm | 83 | 96 |
| Minimum bending radius, final bending mm | 55 | 64 |
| Minimum bending radii | | |
| During handling and installation, cable cm | 8 | 10 |
| In final installation, cable cm | 6 | 6 |
| DC resistance | | |
| Max. DC resistance of conductor at 20 °C Ω/km | 36,0 | 36,0 |
| Electrical values | | |
| Minimum insulation resistance MΩ × km | 1000 | 1000 |