We Make Modern Life Possible.

HALOGEN-FREE CABLES AND WIRES

H07Z-K

Insulated wire, halogen-free, fine wire

For fixed installation in conduits on or under plaster. Suitable for protected installation in and on lighting facilities or control devices for voltages up to 750 V AC or 1,000 V DC against ground. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire.



TECHNICAL DATA

Standard
EN 50525-3-41

Test Voltage
2.5 kV

Rated Voltage
450/750 V (Uo/U)

Bending radius (min.)
5 x Ø of wire (fixed installed)
12 x Ø of wire (free motion)

Fire properties
EN 60332-1-2: flame retardant and self-extinguishing
EN 60754-1 and 2: halogen-free; non-corrosive combustion gases
EN 61034-2: low smoke emission
CPR classification: Eca

Core identification
HD 308 S2

Temperature range
Laying temperature: min. 5°C
Operating temperature: -5°C up to 90°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 250°C

DESIGN



1. Copper conductor, fine wire (-K)
2. Core insulation (XLPE)

Nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (m)
1.5	13.3	3.0	19	100 R
2.5	7.98	3.6	31	100 R
4	4.95	4.3	45	100 R
6	3.3	4.8	63	100 R
10	1.91	6.3	108	100 R
16	1.21	7.3	162	100 R
25	0.78	9.2	252	500 T, 1000 T
35	0.554	10.1	338	500 T, 1000 T
50	0.386	12.2	481	500 T, 1000 T
70	0.272	14.1	670	500 T, 1000 T
95	0.206	15.9	888	500 T, 1000 T
120	0.161	17.8	1008	500 T, 1000 T
150	0.129	19.7	1391	500 T, 1000 T
185	0.106	22.0	1686	500 T, 1000 T
240	0.080	25.2	2212	500 T, 1000 T

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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