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HALOGEN-FREE CABLES AND WIRES

H07Z-K

Insulated wire, halogen-free, fine wire



TECHNICAL DATA



Standard
EN 50525-3-41



Rated Voltage
450/750 V (U₀/U)



Test Voltage
2.5 kV



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



Core identification
HD 308 S2



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
OPR classification: Eca



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



Copper conductor, fine wire (-K)



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

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