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HALOGEN-FREE CABLES AND WIRES

H07Z-U

Insulated wire, halogen-free, solid



TECHNICAL DATA



Standard
EN 50525-3-41



Rated Voltage
450/750 V (U₀/U)



Test Voltage
2.5 kV / 50 Hz



Bending radius (min.)
4 x Ø of wire



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



1

Copper conductor, solid wire (-U)

2

Core insulation (XLPE)

Nominal cross-section (mm ²)	Core colours	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1.5	bk, bn, bu, gnye	12.1	3.0	20
2.5	bk, bn, bu, gnye	7.4	3.5	30
4	bk, bn, bu, gnye	4.6	4.0	45
6	bk, bn, bu, gnye	3.1	5.0	65
10	bk, bn, bu, gnye	1.8	6.5	110
16	bk, bn, bu, gnye	1.2	7.5	175

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