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HALOGEN-FREE CABLES AND WIRES

H07Z-R

Insulated wire, halogen-free, multi core



TECHNICAL DATA



Standard
EN 50525-3-41



Rated Voltage
450/750 V (U₀/U)



Test Voltage
2.5 kV



Bending radius (min.)
4 x Ø of wire



Core identification
HD 308 S2

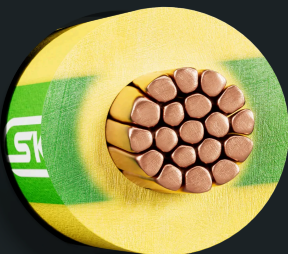


Fire properties
EN 60332-1-2: flame retardant and self-extinguishing
EN 60754-1 and 2: halogen-free; non-corrosive combustion gases
EN 61034-2: low smoke emission
OPR classification: Eca



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, stranded wire (-R)

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)	Standard lengths/packaging (m)
6	bk, bn, bu, gnye	3.1	5.0	65	500 T, 1000 T
10	bk, bn, bu, gnye	1.8	6.5	110	500 T, 1000 T
16	bk, bn, bu, gnye	1.2	7.5	175	500 T, 1000 T
25	bk, bn, bu, gnye	0.7	9.0	275	500 T, 1000 T
35	bk, gnye	0.5	10.0	365	500 T, 1000 T
50	bk, gnye	0.4	12.0	490	500 T, 1000 T
70	bk, gnye	0.3	14.0	700	500 T, 1000 T
95	bk, gnye	0.2	1.0	920	500 T, 1000 T
120	bk, gnye	0.2	18.5	1150	500 T, 1000 T
150	bk, gnye	0.1	20.5	1400	500 T, 1000 T
185	bk, gnye	0.1	22.5	1760	500 T, 1000 T
240	bk, gnye	0.1	25.5	2300	500 T, 1000 T

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