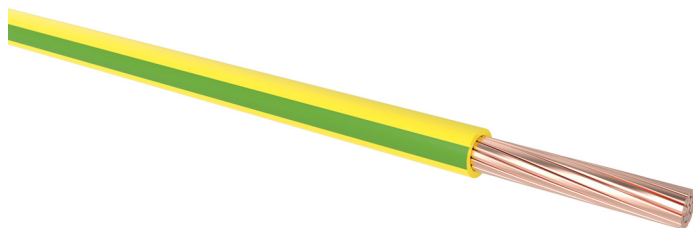


H07Z-R

Insulated wire, halogen-free, multi core

DESIGN



- 1 | Copper conductor, stranded wire (-R)
- 2 | Core insulation (XLPE)

APPLICATION

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



Rated voltage:
450/750 V (U₀/U)



Test voltage:
2.5 kV / 50 Hz



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/5 s



Bending radius (min.):
4 x Ø of wire



Core identification:
HD 308 S2



Fire properties:
EN 60332-1-2: flame retardant
EN 60754-1 and 2: halogen-free; non-corrosive combustion gases
EN 61034-2: low smoke emission
CPR classification: E_{ca}

Nominal cross-section (mm ²)	Core colours	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
H07Z-R					
6	bk, bn, bu, gnye	3.1	5.0	65	500 D, 1000 D
10	bk, bn, bu, gnye	1.8	6.5	110	500 D, 1000 D
16	bk, bn, bu, gnye	1.2	7.5	175	500 D, 1000 D
25	bk, bn, bu, gnye	0.7	9.0	275	500 D, 1000 D
35	bk, gnye	0.5	10.0	365	500 D, 1000 D
50	bk, gnye	0.4	12.0	490	500 D, 1000 D
70	bk, gnye	0.3	14.0	700	500 D, 1000 D
95	bk, gnye	0.2	16.5	920	500 D, 1000 D
120	bk, gnye	0.2	18.5	1150	500 D, 1000 D
150	bk, gnye	0.1	20.5	1400	500 D, 1000 D
185	bk, gnye	0.1	22.5	1760	500 D, 1000 D
240	bk, gnye	0.1	25.5	2300	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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