

H07Z-U

Insulated wire, halogen-free, solid

DESIGN



- 1 | Copper conductor, solid wire (-U)
- 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)
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1.5	bk, bn, bu, gnye	12.1	3.0	20	100 R
2.5	bk, bn, bu, gnye	7.4	3.5	30	100 R
4	bk, bn, bu, gnye	4.6	4.0	45	100 R
6	bk, bn, bu, gnye	3.1	5.0	65	100 R
10	bk, bn, bu, gnye	1.8	6.5	110	100 R
16	bk, bn, bu, gnye	1.2	7.5	175	100 R

Technical changes reserved. All figures are therefore without guarantee.

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