



# H07Z-R

Insulated wire, halogen-free, multi core

## HALOGEN-FREE INSTALLATION CABLES

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



**Test Voltage**  
2.5 kV



**Rated Voltage**  
450/750 V (U<sub>0</sub>/U)



**Bending radius (min.)**  
4 x  $\phi$  of wire



**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: Eca



**Core identification**  
HD 308 S2

### DESIGN



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

Nominal cross-section (mm <sup>2</sup> )	Core colours	Max. conductor resistance (Ω/km)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard lengths/packing (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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