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HALOGEN-FREE INSTALLATION CABLES

# H07Z-R

Insulated wire, halogen-free, multi core



## 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  $\varnothing$  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



**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 <sup>2</sup> ) | 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                  |

## CONTACT PERSON

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