

# H07Z1-U / H07Z1-R

HALOGEN FREE INSULATED SINGLE CORE CABLES



T17 (HFFR)

Class 1-2 Copper

**TYPE:** H07Z1-U / H07Z1-R

**STANDARDS:** TS EN 50525-3-31:2011

## TECHNICAL DATA:

**Max. Operating Temperature:** + 70 °C

**Rated Voltage:** 450/750 V

**Declared Performance:**

**Dca-sla,dI,aI** (EN 50575:2014/A1:2016 )

Low Smoke Zero Halogen according to  
IEC/EN 60754-1/2, IEC/EN 61034-2

Flame Retardant according to IEC/EN 60332-1-2

## CONSTRUCTION:

**CONDUCTOR :** TS EN 60228 Class 1-2 Copper

**INSULATION :** T17 (HFFR)

## APPROVALS:



UK  
CA CE



# H07Z1-U / H07Z1-R

| SIZE<br>(mm²) | MEAN OVERALL<br>DIAMETER<br>(mm) | CURRENT CARRYING<br>CAPACITY<br>(A) | CONDUCTOR<br>RESISTANCE<br>(ohm/km) | APPROXIMATE<br>WEIGHT<br>(kg/km) |
|---------------|----------------------------------|-------------------------------------|-------------------------------------|----------------------------------|
| H07Z1-U       |                                  |                                     |                                     |                                  |
| 1.5           | 2.8                              | 24                                  | 12.1                                | 19                               |
| 2.5           | 3.4                              | 32                                  | 7.41                                | 30                               |
| 4             | 3.8                              | 42                                  | 4.61                                | 45                               |
| 6             | 4.3                              | 54                                  | 3.08                                | 63                               |
| H07Z1-R       |                                  |                                     |                                     |                                  |
| 1.5           | 3                                | 24                                  | 12.1                                | 22                               |
| 2.5           | 3.6                              | 32                                  | 7.41                                | 33                               |
| 4             | 4.1                              | 42                                  | 4.61                                | 48                               |
| 6             | 4.7                              | 54                                  | 3.08                                | 69                               |
| 10            | 5.9                              | 73                                  | 1.83                                | 109                              |
| 16            | 7                                | 98                                  | 1.15                                | 165                              |
| 25            | 8.9                              | 129                                 | 0.727                               | 269                              |
| 35            | 9.6                              | 158                                 | 0.524                               | 345                              |
| 50            | 11.1                             | 203                                 | 0.387                               | 480                              |
| 70            | 12.5                             | 245                                 | 0.268                               | 681                              |
| 95            | 14.6                             | 292                                 | 0.193                               | 912                              |
| 120           | 16                               | 344                                 | 0.153                               | 1147                             |
| 150           | 17.8                             | 391                                 | 0.124                               | 1423                             |
| 185           | 20                               | 448                                 | 0.0991                              | 1740                             |
| 240           | 23                               | 528                                 | 0.0754                              | 2300                             |
|               |                                  |                                     |                                     |                                  |
|               |                                  |                                     |                                     |                                  |
|               |                                  |                                     |                                     |                                  |

### APPLICATION

It is suitable for use in refineries, hotels, schools, tunnels, high-rise buildings, hospitals, data processing centers and business centers where people are concentrated, and in fire-sensitive areas. Low smoke emission in case of fire.

### REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



### CORE IDENTIFICATION

**Core Color:** Blue, Brown, Black, Grey, Green/Yellow, White, Orange, Red, Turquoise, Pink