



## H05Z1-R / H07Z1-R

Installation Cable 300/500 V-450/750 V with Cu conductors, HFFR insulated

### APPLICATION

It is used in hotels, schools, hospitals, tunnels, refineries, high-rise buildings, data processing centers and business centers where people are concentrated, and in fire-sensitive areas.

### CONSTRUCTION

|            |                           |
|------------|---------------------------|
| Conductors | : Class2 acc.to IEC 60228 |
| Insulation | : HFFR compound           |
| Bedding    | : -                       |
| Armour     | : -                       |
| Sheath     | : -                       |

### TECHNICAL CHARACTERISTICS

|                               |             |
|-------------------------------|-------------|
| CPR Class                     | : Eca       |
| Rated Voltage                 | : 450/750 V |
| Bending Radius                | : 12D       |
| Max.conductor Temperature     | : 70°C      |
| Max.short-circuit Temperature | : 160°C     |

### CORE IDENTIFICATION

According to HD 308 S2

Insulation Color :  
Any colours available

### STANDARD

EN 50525-3-31



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| Nominal<br>Cross-Section<br>mm <sup>2</sup> | Max<br>Resistance<br>at 20°C<br>Ω/km | Outer Dia<br>(Approx.)<br>mm | Cable<br>Weight<br>(Approx.)<br>kg/km | Current Capacity<br>In Conduit<br>A | Current Capacity<br>In Air<br>A |
|---------------------------------------------|--------------------------------------|------------------------------|---------------------------------------|-------------------------------------|---------------------------------|
| 1x0,50*                                     | 36                                   | 2,10                         | 10                                    | -                                   | -                               |
| 1x0,75*                                     | 24,5                                 | 2,30                         | 12                                    | -                                   | 12                              |
| 1x1*                                        | 18,1                                 | 2,50                         | 15                                    | 11                                  | 15                              |
| 1x1,5                                       | 12,1                                 | 2,95                         | 21                                    | 14                                  | 19                              |
| 1x2,5                                       | 7,41                                 | 3,60                         | 32                                    | 19                                  | 24                              |
| 1x4                                         | 4,61                                 | 4,10                         | 46                                    | 26                                  | 32                              |
| 1x6                                         | 3,08                                 | 4,60                         | 65                                    | 34                                  | 42                              |
| 1x10                                        | 1,83                                 | 6,00                         | 109                                   | 46                                  | 73                              |
| 1x16                                        | 1,15                                 | 6,90                         | 164                                   | 61                                  | 98                              |
| 1x25                                        | 0,727                                | 8,50                         | 257                                   | 80                                  | 129                             |
| 1x35                                        | 0,524                                | 9,50                         | 347                                   | 99                                  | 158                             |
| 1x50                                        | 0,387                                | 11,10                        | 467                                   | 119                                 | 198                             |
| 1x70                                        | 0,268                                | 12,60                        | 665                                   | 151                                 | 245                             |
| 1x95                                        | 0,193                                | 14,90                        | 916                                   | 172                                 | 292                             |
| 1x120                                       | 0,153                                | 16,40                        | 1138                                  | 210                                 | 344                             |
| 1x150                                       | 0,124                                | 18,10                        | 1410                                  | 240                                 | 391                             |
| 1x185                                       | 0,0991                               | 20,50                        | 1776                                  | 273                                 | 448                             |
| 1x240                                       | 0,0754                               | 23,30                        | 2347                                  | 320                                 | 528                             |
| 1x300                                       | 0,0601                               | 26,20                        | 2950                                  | -                                   | 645                             |

\* Rated Voltage 300/500 V