

Cables 300/500 V

## H05Z1Z1-F



### Description

Especially indicated in those places where high safety materials need to be installed or where greater fire protection is required. These cables are indicated for indoor mobile installations and for household appliances with medium mechanical strain.

Reference Standards: UNE-EN 50525-3-11, EN 50525-3-11 and IEC 60227

### Applications

Suitable for the following installations:

- Indoor or receiver installations
- Public premises
- Installations in premises with fire or explosion risk
- Installations in premises with special characteristics
- Installations with special purposes: provisional and temporary works installations
- Installations with special purposes, fairs and stands

They are also appropriate for other installations where greater fire protection is required, even in housing.

### Technical Characteristics

|                     |   |
|---------------------|---|
| 1. Conductor        | Flexible electrolytic copper conductor (class V) according to BS EN 60228:2005 (previously BS6360) and UNE 60228. |
| 2. Insulation       | Thermoplastic polyolefin halogen-free insulation, type TI-6, according to UNE 21031-14.                           |
| 3. Sheath           | Thermoplastic polyolefin halogen-free sheath, type TM-7, according to HD 21:14S1                                  |
| Nominal voltage     | 300/500 V   |
| Test voltage        | 2.000 V A.C.  |
| Maximum temperature | 70 °C   |

#### Other characteristics

Colours according to UNE 21089 and HD 303S2 (colour marking when less than five conductors) and UNE-EN 50334 y EN 50334 (inscription marking when more than five conductors)

Non-flame propagating according to UNE-EN 60332, EN 60332, IEC 60332

Low halogen content according to UNE 211002 Appendix A, HD 21.15 S1:2006

Low corrosive gas emission according to UNE 211002 Appendix Z, HD 21.15 S1:2006

Low opaque smoke emission according to UNE-EN 61034, EN 61034, IEC 61034

CPR Classification according to EN 50575

### Dimensions

| Section (mm <sup>2</sup> ) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|----------------------------|------------------------------|------------------------|----------------|-------|
| 2x0,75                     | 26                           | 5,70                   | 49             | Eca   |
| 2x1                        | 19,5                         | 5,90                   | 54             | Eca   |
| 2x1,5                      | 13,3                         | 6,90                   | 75             | Eca   |
| 2x2,5                      | 7,98                         | 8,60                   | 119            | Eca   |
| 2x4                        | 4,95                         | 10,05                  | 168            | Eca   |
| 3G0,75                     | 26                           | 6,00                   | 58             | Eca   |
| 3G1                        | 19,5                         | 6,30                   | 66             | Eca   |
| 3G1,5                      | 13,3                         | 7,45                   | 93             | Eca   |
| 3G2,5                      | 7,98                         | 9,25                   | 147            | Eca   |
| 3G4                        | 4,95                         | 10,90                  | 212            | Eca   |
| 4x0,75                     | 26                           | 6,80                   | 72             | Eca   |
| 4x1                        | 19,5                         | 7,10                   | 85             | Eca   |
| 4x1,5                      | 13,3                         | 8,60                   | 125            | Eca   |
| 4x2,5                      | 7,98                         | 10,25                  | 183            | Eca   |
| 4x4                        | 4,95                         | 11,80                  | 258            | Eca   |
| 5x0,75                     | 26                           | 7,50                   | 86             | Eca   |
| 5x1                        | 19,5                         | 7,80                   | 100            | Eca   |
| 5x1,5                      | 13,3                         | 9,70                   | 151            | Eca   |
| 5x2,5                      | 7,98                         | 11,30                  | 219            | Eca   |
| 5x4                        | 4,95                         | 13,50                  | 323            | Eca   |