

Cables 450/750 V

H07Z1-R Type 2



Description

These halogen-free cables H07Z1-R Type-2 are indicated for permanent installations in public premises where low fumes and corrosive gas emission is required in case of fire, such as hospitals, schools, shopping centers, airports, and all those installations where a greater fire protection is required. They are also appropriate for the installations of individual by-passes.

These Type 2 cables stand out due to their improved properties against fire since they comply with the non-fire propagation test according to UNE-EN 60332, EN 60332 e IEC 60332.

Reference Standards: UNE-EN 50525-3-31, EN 50525-3-31, UNE 211002 e IEC 60227-3

Applications

Suitable for installations where greater fire protection is required, even in housing.

They are also appropriated for the following installations:

- Individual By-pass.
- Indoor or receiver installations.
- Public premises
- Installations in premises with fire or explosion risk

Technical Characteristics

1. Conductor	Electrolytic copper conductor (Class II) according to BS EN 60228:2005 (previously BS6360) and EN 60228.
2. Insulation	Halogen-free thermoplastic polyolefin, type TI-7 in compliance with UNE-EN 50363-7, EN 50363-7.
Nominal voltage	450/750 V
Test voltage	2.500 V A.C.
Maximum temperature	70 °C

Other characteristics

Colours according to UNE-EN 50525-1, EN 50525-1

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

Non-fire propagating in accordance with UNE-EN 60332-3-24, EN 60332-3-24 and IEC 60332-3-24

Low halogen content according to UNE-EN 21031-15 Appendix A and HD 21.15S1:2006

Low corrosive gas emission according to UNE 21031 Appendix A, HD 21.15S1:2006

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

Dimensions

Section (mm ²)	Resistance at 20 °C (Ohm/km)	External Diameter (mm)	Weight (kg/km)
1x1,5	12,1	2,85	21
1x2,5	7,41	3,40	30
1x4	4,61	4,05	47
1x6	3,08	4,50	64
1x10	1,83	5,65	105
1x16	1,15	6,60	159
1x25	0,727	8,25	252
1x35	0,524	9,30	339
1x50	0,387	11,00	470
1x70	0,268	13,00	698
1x95	0,193	16,10	958
1x120	0,153	16,30	1.155
1x150	0,124	18,35	1.380
1x185	0,101	20,60	1.773
1x240	0,0775	23,15	2.259