



Construction

Conductor	Flexible polished copper wire Class V according UNE-EN 60228
Insulation	Halogen free compound (Type T17) Identification: Colours

Technical characteristics

Operating voltage	450/750 V
Test Voltage	2500 V
Operating T^a	Fixed installation: -15°C to +70°C Dureing installation and transport: 0°C Storage: +40°C Shortcut (Max. 5seg): +160°C
Min. bending radius	4xD (Diameter <= 8 mm) 5xD (Diameter <= 12 mm) 6xD (Diameter > 12 mm)

Application

Unsheathed single core cables for fixed installations, lighting and control and monitoring equipment. Installed in ducts (above ground or recessed) or similar closed systems. Especially recommended in places where a low level of fumes and corrosive gases is required in case of fire. Especially recommended for installations in public places (according to ITC-BT 28) and in general in all locations where a safe behavior of the cable before the fire is required. According to the Low Voltage Regulation REBT 2002: ITC-BT-09, 15, 20, 26, 28, 29, 30, 31, 41.

*CPR:

Cable suitable for installation under the requirements of CPR (Construction Product Regulation (EU) N°305/2011) according to the classification (Euroclass) specified in this document.

Standards/Properties

Ref. for construction/drawing	UNE 211002, UNE-EN 50525-3-31 (Type 2)
CPR Classification (Euroclass)	Cca-s1b,d1,a1 (According standard UNE-EN 50575)
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Fire Retardant	UNE-EN 60332-3 (IEC 60332-3)
Halogen free	UNE-EN 60754-1 (IEC 60754-1)
Low corrosivity	UNE-EN 60754-2 (IEC 60754-2) (pH >= 4,3 ; conductivity <= 10µS/mm)
Low smoke emission	UNE-EN 61034 (IEC 61034)



Datos Constructivos

xy Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
022014xy	1x1.5	2.9	19	13.3
022015xy	1x2.5	3.6	30	7.98
022016xy	1x4	4.1	44	4.95
022017xy	1x6	4.7	63	3.3
022018xy	1x10	6	108	1.91
022019xy	1x16	7.1	157	1.21
022020xy	1x25	8.7	246	0.78
022021xy	1x35	9.9	336	0.554
022022xy	1x50	11.7	476	0.386
022023xy	1x70	13.7	657	0.272
022024xy	1x95	15.6	873	0.206
022025xy	1x120	17.2	1096	0.161
022026xy	1x150	19.2	1375	0.129
022027xy	1x185	21.2	1678	0.106
022028xy	1x240	24.9	2205	0.0801

Legend

xy Code	x: Packing (0=Lengths ; 1=Units) / y: Digit Colour
NxS (mm2)	Number of conductors x Section (mm2)
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)
R at 20°C (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)

Colour code (y)

Code	Colour
0	Black
1	White
2	Grey
3	Red
4	Yellow
5	Green
6	Blue
7	Brown
8	Violet
9	Orange
A	Pink
B	Yellow/Green
Z	Dark Blue