



Construction

Conductor	Flexible polished copper wire Class V according UNE-EN 60228
Insulation	PVC (Type T11) Identification: Colours

Technical characteristics

Operating voltage	450/750 V
Test Voltage	2500 V
Operating T^a (conductor)	Fixed installation: -15°C to +70°C During installation and movement: +5°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. Installed in ducts (above ground or recessed) or similar closed systems. They are also suitable for protected fixed installations, lighting and control gear for voltages up to and including 1000V AC or up to and including 750V DC ground. According to the Low Voltage Regulation REBT 2002: ITC-BT-09 ,20, 26, 27, 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

Ref. standard for drawing	UNE-EN 50525-2-31
CPR Classification (Euroclass)	Eca (According standard UNE-EN 50575)
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)



Datos Constructivos

y Code	NxS (mm ²)	Ø (mm)	Weight (kg/km)	Rt (Ohm/Km)	I (A), 30°C
0690141y	1x1.5	2.9	19.1	13.3	23
0690151y	1x2.5	3.6	31	7.98	31
0690161y	1x4	4.2	45	4.95	42
0690171y	1x6	4.8	63	3.3	54
0690181y	1x10	6.2	106	1.91	75
0690191y	1x16	7.2	158	1.21	100
0690201y	1x25	9.2	241	0.78	127
0690211y	1x35	10.2	332	0.554	158
0690221y	1x50	12.2	467	0.386	192
0690231y	1x70	14.5	670	0.272	246
0690241y	1x95	16	863	0.206	298
0690251y	1x120	17.9	1093	0.161	346
0690270y	1x185	21	2100	0.106	448

Legend

y Code	y: Digit Colour
NxS (mm²)	Number of conductors x Section (mm ²)
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)
Rt (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)
I (A), 30°C	Max. current capacity (A), air (T ^a 30°C)

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