



HEAT RESISTANT, PVC INSULATED AND ORDINARY PVC SHEATHED FLEXIBLE CABLE



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CE 3

### ACCORDING TO CPR: CLASS Eca

Cables for general applications in construction works subject to fire resistance requirements. Provided by EN 50575: 2014 + A1. Declaration of performance: DOP 00007.

### HARMONIZED CABLE

Suitable for application up to 90°C.

## TECHNICAL FEATURE

Rated Voltage	Max operating temperature	Min temperature of installation	Max stocking temperature	Max temperature of short circuit	Min internal bending radius	Max mechanical stress
300/500 V	90°C	5°C	40°C	150 °C	6xD	5 Kg/mm <sup>2</sup>

## CONSTRUCTION FEATURES

**Conductors:** Flexible annealed copper cord, class 5 (EN 60228, IEC 60228)

**Insulation:** Thermoplastic polyvinyl chloride compound T13 type. Electrical insulation of cables for domestic wiring and heat resisting.

**Sheath:** Thermoplastic polyvinyl chloride compound TM3 type. Flexible cables with this protective sheath are heat resistant, with a rated conductor temperature not exceeding 90°C

**Identification Colours:** Cores identification according to CENELEC HD 308 in force.

**MARKING:** Engraving

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**FEATURES:** Max strain in static duty conditions: 1,5 Kg/mm<sup>2</sup>.  
Flame retardant

## GUIDE TO USE

Use in domestic premises and offices.

For ordinary duty applications and household appliances, including damp premises.

Use at high ambient temperatures and inside equipment with no risk of contact with hot parts.

Temporary short-term outdoors use allowed.

Maximum conductor temperature of 90°C in normal use.

Skin contact to be avoided unless calculations show surface temperature not above 50°C

**Standards:** EN 50525-2-11

ROHS 2011/65/UE

EN50575:2014 + A1

**CPR Not.Body: 2479 - DoP 00007 - Class: Eca**

## DIMENSIONAL FEATURES AND ELETTRICAL PROPERTY

n° x mm <sup>2</sup>	number and nominal cross-sectional area of conductors	∅	CONDUCTOR		INSULATION	SHEATH	WEIGHT
		Max diameter (mm)	∅ diameter max. of wires (mm)	max resistance res. el. (ohm/km) redcu	thikness (mm)	thikness (mm)	Indicative weight of cable (g/m)
2x0,75		7.2	0.21	26.0000	0.60	0,80	54,00
2x1		7.5	0.21	19.5000	0.60	0,80	64,00
2x1,5		8.6	0.26	13.3000	0.70	0,80	86,00
2x2,5		10.6	0.26	7.9800	0.80	1,00	130,00
2x4		12.1	0.31	4.9500	0.80	1,10	182,00
3x0,75		7.6	0.21	26.0000	0.60	0,80	66,00
3x1		8	0.21	19.5000	0.60	0,80	78,00
3x1,5		9.4	0.26	13.3000	0.70	0,90	107,00
3x2,5		11.4	0.26	7.9800	0.80	1,10	164,00
3x4		13.1	0.31	4.9500	0.80	1,20	228,00
4x0,75		8.3	0.21	26.0000	0.60	0,80	80,00
4x1		9	0.21	19.5000	0.60	0,90	98,00
4x1,5		10.5	0.26	13.3000	0.70	1,00	140,00
4x2,5		12.5	0.26	7.9800	0.80	1,10	202,00
4x4		14.3	0.31	4.9500	0.80	1,20	284,00
5x0,75		9.3	0.21	26.0000	0.60	0,90	100,00

## DIMENSIONAL FEATURES AND ELETTRICAL PROPERTY

n° x mm <sup>2</sup>	number and nominal cross-sectional area of conductors	∅	CONDUCTOR		INSULATION	SHEATH	WEIGHT
		Max diameter (mm)	∅ diameter max. of wires (mm)	max resistance res. el. (ohm/km) redcu	thikness (mm)	thickness (mm)	Indicative weight of cable (g/m)
	5x1	9.8	0.21	19.5000	0.60	0,90	120,00
	5x1,5	11.6	0.26	13.3000	0.70	1,10	172,00
	5x2,5	13.9	0.26	7.9800	0.80	1,20	250,00
	5x4	16.1	0.31	4.9500	0.80	1,40	360,00