

Construction

Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228
Insulation	XLPE (Cross-linked polyethylene) Identification: HD 308 S2 (See colour table)
General assembly	Insulated conductors laid up together in concentric layers
Inner sheath	Halogen free polyolefin compound Colour: Black
Armour	Galvanised steel wire armour Coverage: 90%
Outer sheath	Halogen free polyolefin compound Colour: Black

Technical characteristics

Operating voltage	600/1000 V
Test Voltage	3500 V
Operating T^a (conductor)	-5°C +90°C

Application

Armoured cable for transport and distribution of electrical energy in fixed installations. Suitable for indoor and outdoor installations, on supports in the air (protected from UV rays), in tubes or directly buried (great mechanical protection and against rodents). Suitable for installations in public places and places with risk of fire or explosion (ATEX Zones), and in general in all locations where a safe behavior of the cable against fire is required. Thanks to the special hydrocarbon resistant compound cover, especially recommended for installations in the Oil and Gas industry.

* CPR:

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

Standards / Properties

Ref. for construction/drawing	IEC 60502-1
CPR Classification (Euroclass)	Cca-s1b,d1,a1 (According to UNE-EN 50575)
Flame Retardant	IEC 60332-1
Fire Retardant	IEC 60332-3-24
Halogen free	IEC 60754-1
Low smoke emission	IEC 61034-2
Oil and hydrocarbon resistant	UIC 895 OR



Constructive data

Code	NxS (mm ²)	Inner Ø (mm)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
44805500	2x1.5	8.4	13.6	337	13.3
44808400	3G1.5	9.3	14.5	385	13.3
44813300	4G1.5	10.1	16.2	472	13.3
44828600	16G1.5	18.4	25.6	1309	13.3
44808600	3G2.5	9.8	15.0	424	7.98
44813500	4G2.5	11.6	17.7	603	7.98
44816300	5G2.5	13.8	19.9	673	7.98
44813700	4G4	13	19.1	673	4.95
44813900	4G10	18.1	25.3	1402	1.91
44808900	3G6	12.3	18.4	747	3.3

Legend

Code	Cervi codification
NxS (mm²)	Number of conductors x Section (mm ²)
Inner Ø (mm)	Diameter under armour (mm)
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 table

N° Conductors	Insulation colour
2x	Blue, Brown
3x	Brown, Black, Grey
3G	Blue, Brown, Yellow/Green
4x	Blue, Brown, Black, Grey
4G	Brown, Black, Grey, Yellow/Green
5G	Blue, Brown, Black, Grey, Yellow/Green
> 5 (G)	Black numbered + Yellow/Green
> 5 (x)	Black numbered