



Construction

Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228
Insulation	XLPE Identification: HD 308 S2 (See attached table)
General assembly	Insulated conductors laid up together in concentric layers
Screen	Bare copper wire braid Coverage: 60%
Outer sheath	Halogen free compound Color: Light blue

Technical characteristics

Operating voltage	300/500 V
Test Voltage	2000 V
Operating T^a (conductor)	Fixed installation: -15°C t +90°C During installation: 0°C Min. Short-circuit (Max. 5 seg): 250°C
Min. bending radius	8xD
Capacitance	150 pF/m Max.
Inductance	1 mH/Km Max.
L/R ratio	25 µH/Ohm Max. (Cross sectional areas up to 1mm ² , including) 40 µH/Ohm Max. (Cross sectional areas of 1,5mm ²) 60 µH/Ohm Max. (Cross sectional areas of 2,5mm ²)

Application

Shielded flexible instrumentation and control cable, for locations where a good electromagnetic protection is necessary and and no halogen emission in case of fire is required.

Especially recommended for use in installations in potentially explosive atmospheres in Intrinsically Safe circuits (protection mode - i -), in accordance with the specified requirements for cables in this type of installations in the standards IEC/EN 60079-14 and IEC/EN 60079-25.

* CPR:

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

Standards / Properties

Ref. standard for drawing

Special design, based on EN 50288-7

Reference standards

EN 60079-14 / IEC 60079-14 / VDE 0165-1 - (Section 16.2.2)

EN 60079-25 / IEC 60079-25 / VDE 0170-10-1 (Section 9)

Flame Retardant

UNE-EN 60332-1 (IEC 60332-1)

CPR Classification (Euroclass)

Eca (According to UNE-EN 50575)

Other fire standards:

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 \geq 4,3 ; conductivity \leq 10 μ S/mm)

Low smoke emission

UNE-EN 61034 (IEC 61034)



flame retardant



fire retardant



halogen free



low corrosivity



low smoke
opacity



flexible cable



electromagnetic
protection



explosive
atmospheres



Intrinsic
Safety



Constructive Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
04005406	2x1	7.1	67	19.5
04008306	3G1	7.5	84	19.5
04013206	4G1	8.1	103	19.5
04016106	5G1	8.7	122	19.5
04018006	6G1	9.4	138	19.5
04021306	8G1	10.4	180	19.5
04023606	10G1	11.9	215	19.5
04026006	12G1	12.3	247	19.5
04028506	16G1	13.7	313	19.5
04033206	24G1	16.9	459	19.5
04005506	2x1.5	7.7	82	13.3
04008406	3G1.5	8.1	103	13.3
04013306	4G1.5	8.8	127	13.3
04016206	5G1.5	9.5	153	13.3
04018106	6G1.5	10.3	175	13.3
04019606	7G1.5	10.3	194	13.3
04021406	8G1.5	11.7	238	13.3
04026106	12G1.5	13.5	319	13.3
04028606	16G1.5	15.1	409	13.3
04033306	24G1.5	18.7	606	13.3
04034506	25G1.5	18.7	606	13.3

Legend

Code	Cervi codification
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

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