



Construction

Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228
Insulation	Halogen free compound Identification: HD 308 S2 (See attached table)
General assembly	Insulated conductors laid up together in concentric layers
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 a +70°C During installation: 0°C Mínimo / Short-circuit (Max. 5 seg): 160°C
Min. bending radius	Fixed installation: 4xD / During installation: 6xD
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)

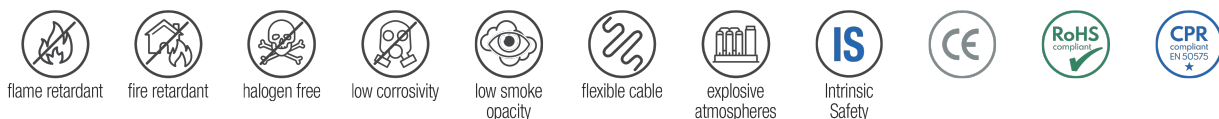
Application

Flexible instrumentation and control cable for locations where 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

Ref. for construction/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 >= 4,3 ; conductivity <= 10µS/mm)
Low smoke emission	UNE-EN 61034 (IEC 61034)



Constructive data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
02312506	4G0.5	6	662	39
02315506	5G0.5	6.6	73	39
02313006	4x0.75	7.5	87	26
02305406	2x1	6.1	62	19.5
02308306	3G1	6.7	76	19.5
02313206	4G1	7.5	95	19.5
02316106	5G1	8.4	118	19.5
02318006	6G1	9.4	143	19.5
02319506	7G1	9.4	157	19.5
02321306	8G1	10.6	189	19.5
02326006	12G1	12.5	270	19.5
02328506	16G1	13.8	335	19.5
02333206	24G1	16.8	510	19.5
02336806	30G1	18	591	19.5
02305506	2x1.5	7.6	87	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 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