CERVIFLAM EB Z1Z1-K 0,6/1kV CPR
Cables for Intrinsically Safe circuits

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	600/1000 V
Test Voltage	3500 V
Operating T[a]	Fixed installation: -15°C a +70°C
	During installation: 0°C Mínimo
	Short-circuit (Max. 5 seg): 160°C
Min. bending radius	6xD
Capacitance	150 pF/m Max.
Inductance	1 mH/Km Max.
L/R ratio	25 µH/Ohm Max. (Cross sectional areas up to 1mm2, including)
	40 µH/Ohm Max. (Cross sectional areas of 1,5mm2)
	60 µH/Ohm Max. (Cross sectional areas of 2,5mm2)

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 / Properties

Ref. standard for drawing	Special design, based on IEC 60502-1
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)

flame retardant · fire retardant · halogen free · low corrosivity · low smoke opacity · flexible cable · explosive atmospheres · Intrinsic Safety

Code:
Family: 433
Revision: 0
Date: 17/06/2020

Realized: **Approved:**

Constructive data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
43318106	6G1.5	11.5	171	13.3
43321406	8G1.5	12.2	227	13.3
43326106	12G1.5	14.8	308	13.3
43331006	20G1.5	17.7	475	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 20ºC (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

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