CERVIFLAM EB RC4Z1-K 300/500V CPR
Cables for Intrinsically Safe circuits

Construction

Conductor	Flexible bare copper wires
	Class V Acc. to UNE-EN 60228
Insulation	XLPE
	Identification: HD 308 S2 (See attached table)
Assembly	Insulated conductors laid up together
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 1mm2, including)
	40 µH/Ohm Max. (Cross sectional areas of 1,5mm2)
	60 µH/Ohm Max. (Cross sectional areas of 2,5mm2)

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.

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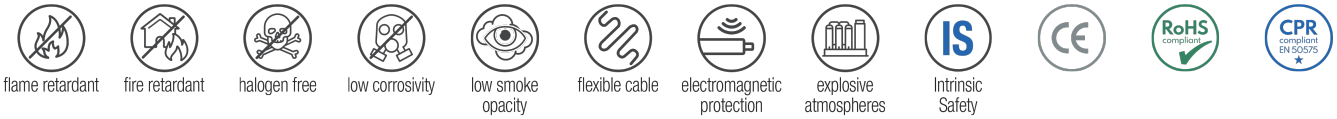
Standards / Properties

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 >= 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)
04005406	2x1	6.8	57	19.5
04008306	3G1	7.3	74	19.5
04013206	4G1	7.9	89	19.5
04016106	5G1	8.5	105	19.5
04018006	6G1	9.3	124	19.5
04021306	8G1	9.9	152	19.5
04023606	10G1	11.7	189	19.5
04026006	12G1	12.1	216	19.5
04028506	16G1	13.4	276	19.5
04033206	24G1	16.7	407	19.5
04005506	2x1.5	7.5	72	13.3
04008406	3G1.5	7.9	92	13.3
04013306	4G1.5	8.6	113	13.3
04016206	5G1.5	9.4	136	13.3
04018106	6G1.5	10.2	158	13.3
04019606	7G1.5	10.2	175	13.3
04021406	8G1.5	11	199	13.3
04026106	12G1.5	13.4	285	13.3
04028606	16G1.5	14.9	366	13.3
04033306	24G1.5	18.6	541	13.3
04034506	25G1.5	19	561	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 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