CERVIFLEX ROVMV-K 0,6/1 KV FB RH CPR
Single core cables: ROVMAV-K

Cervi
www.cervi.es

Construction

Conductor	Flexible bare copper wires
	Class V Acc. to UNE-EN 60228
Insulation	XLPE (Cross-linked polethylene)
	Identification: HD 308 S2 (See table attached)
Assembly	Insulated conductors laid up together
Overall screen	Aluminium/polyester tape + flexible tinned copper drain wire
	Overlapp: 25%
	Coverage: 100%
Inner sheath	PVC (Polyvinyl chloride)
Armour	Galvanised steel wire armour
	Coverage: 90% Min.
	*In case of single core cables, aluminium wires are used (amagnetic)
Outer sheath	Special PVC RH compound (Polyvinylchloride)
	Colour: Black

Technical characteristics

Operating voltage	600/1000 V
Test Voltage	3500 V
Operating Tª (conductor)	Fixed installation: -15°C to +90°C
	During installation: 0°C Minimum
	Shortcut (Max. 5 seg): 250°C
Min. bending radius	10xD

Application

Armoured and shielded power and control cable for use in fixed installations, protected or not. Suitable for indoor and outdoor installations, on air supports, in pipes or buried. Thanks to its steel wire armour, specially recommended where high mechanical protection and/or against the action of rodents is required. Outer sheath of special PVC compound with improved resistance in the presence of hydrocarbons and mineral oils.

*CPR:

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

Standards

Design	Special design, based on IEC 60502-1
CPR Classification (Euroclass)	Eca
	(According UNE-EN 50575)
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Fire Retardant	UNE-EN 60332-3 (IEC 60332-3)
Other characteristics	Outer sheath of special PVC compound with improved resistance in the presence of hydrocarbons and mineral oils

flame retardant | fire retardant | electromagnetic protection | anti rodent | hydrocarbon resistant | oil resistant | direct burial | CE | RoHS compliant | CPR compliant EN 50575

[964]

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Code:
Family: 091
Revision: 2
Date: 08/04/2024

Realized: **Approved:**

Constructive Data

Code	NxS (mm2)	Inner Ø (mm)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I (A), 30°C	I (A) Und, 20°C
09161300	2x1,5	8,2	12,6	313	13,3	26	25
09108400	3G1,5	8,7	13,1	342	13,3	26	25
09113300	4G1,5	9,4	13,8	380	13,3	23	21
09116200	5G1,5	10,3	14,7	426	13,3	23	21
09119600	7G1,5	11,2	15,6	488	13,3	18,5	16
09126100	12G1,5	14,7	19,1	707	13,3	11,5	8,5
09127400	14G1,5	15,4	19,8	758	13,3	11,5	8,5
09108600	3G2,5	9,6	14	404	7,98	32	28
09113500	4G2,5	10,5	14,9	455	7,98	32	28
09113700	4G4	11,9	16,3	566	4,95	42	36
09113800	4G6	13,3	17,7	691	3,3	54	44
09113900	4G10	15,5	19,9	897	1,91	75	58
09114000	4G16	17,6	22,9	1350	1,21	100	75
09114300	4G50	29,6	36,2	3485	0,386	192	135
09115000	4G185	53,3	63,1	11430	0,106	456	281

Legend

Code	Cervi codification
NxS (mm2)	Number of conductors x Section (mm2)
Inner Ø (mm)	Aprox. 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 20ºC (Ohm/km)
I (A), 30°C	Max. current capacity (A), air (Tª 30°C)
I (A) Und, 20°C	Max. current capacity (A), underground. (Tª20°C)

Remarks

1.) Inner/outer diameters are approximate values that may differ significantly in practice. Ask directly if you require greater precision.

2.) Ampacity values based on HD 60364-5-52 standard (IEC 60364-5-52) with the following conditions:

· For installations in air: Reference installation method E or F. Single core or multicore cables (Two or three loaded conductors), with an ambient temperature of 30°C.

· For underground installations: Reference installation method D1. Single core or multicore cables (Two or three loaded conductors), with a temperature of 20°C in the ground and a thermal resistivity of 2.5 K·m/W.

*The ampacity values are only a reference, the real ones will always depend on the particular conditions of each installation. In practice, the maximum operating temperature in the conductor should not exceed what is indicated in the present document in any case

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Colour Table

N° Conductors	Insulation Colour
2x	Blue, Brown
3x	Brown, Black, Grey
3G	Blue, Brow, 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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