CERVIFLEX VV-F 300/500V CPR
Electrical control cables

Cervi
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Construction

Conductor	Flexible bare copper wires
	Class V according UNE-EN 60228
Insulation	PVC (Polyvinyl chloride)
	Identification: HD 308 S2 (See attached table)
Assembly	Insulated conductors laid up together
Outer sheath	PVC (Polyvinyl chloride)
	Colour: Black

Technical characteristics

Operating voltage	300/500 V
Test Voltage	2000 V
Operating Tª (conductor)	Fixed installation: -15°C to +70°C
	Shortcut (Max. 5seg): +150°C
Min. bending radius	Fixed installation:
	3xD (Diameter <= 12 mm)
	4xD (Diameter >12 mm)
	Free movement:
	5xD (Diameter <= 12 mm)
	6xD (Diameter >12 mm)

Application

Flexible instrumentation and control cable with PVC outer sheath suitable for mobile uses (ordinary services without load, not guided).

* 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. for construction/drawing	Based on EN 50288-7
CPR Classification (Euroclass)	Eca
	(According standard UNE-EN 50575)
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)

flame retardant flexible cable

[868]
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Code:
Family: 000
Revision: 3
Date: 27/04/2023

Realized: **Approved:**

Constructive data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I max (A), 30°C
00004700	2x0,50	5,4	43	39	3
00004710	2x0,50R100	5,4	43	39	3
00007600	3G0,50	5,7	50	39	3
00007610	3G0,50R100	5,7	50	39	3
00012500	4G0,50	6,3	62	39	3
00012510	4G0,50R100	6,3	62	39	3
00012526	4x0,50	6,3	62	39	3
00015500	5G0,50	6,9	73	39	3
00017800	6G0,50	7,4	83	39	2
00019300	7G0,50	7,4	91	39	2
00021100	8G0,50	8	102	39	2
00023400	10G0,50	9,4	139	39	2
00025800	12G0,50	9,7	154	39	1,5
00027100	14G0,50	10,3	173	39	1,5
00028300	16G0,50	10,9	194	39	1,5
00030700	20G0,50	12	232	39	1,5
00033000	24G0,50	13,5	296	39	1,5
00036600	30G0,50	14,3	341	39	1,5
00039000	37G0,50	15,5	406	39	1,5
00040200	40G0,50	16,1	436	39	1,5
00042500	50G0,50	18,3	569	39	1,5
00044800	61G0,50	19,5	647	39	1,5
00005200	2x0,75	5,8	52	26	6
00005210	2x0,75R100	5,8	52	26	6
00008100	3G0,75	6,3	65	26	6
00008110	3G0,75R100	6,3	65	26	6
00013000	4G0,75	6,8	77	26	6
00016000	5G0,75	7,4	91	26	6
00017900	6G0,75	8,1	106	26	4
00019400	7G0,75	8,1	117	26	4
00021200	8G0,75	8,7	130	26	4
00023500	10G0,75	10,3	178	26	4
00025900	12G0,75	10,7	200	26	3
00027200	14G0,75	11,2	221	26	3
00028400	16G0,75	11,9	249	26	3
00030800	20G0,75	13,2	302	26	3
00033100	24G0,75	14,7	379	26	3
00034300	25G0,75	15,1	404	26	3
00036700	30G0,75	15,7	443	26	3
00039100	37G0,75	17	529	26	3
00040300	40G0,75	17,7	570	26	3
00042600	50G0,75	20,1	740	26	3
00044900	61G0,75	21,4	845	26	3
00005400	2x1	6,2	61	19,5	10

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Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I max (A), 30°C
00005410	2x1R100	6,2	61	19,5	10
00008300	3G1	6,7	76	19,5	10
00008310	3G1R100	6,7	76	19,5	10
00013200	4G1	7,3	92	19,5	10
00013210	4G1R100	7,3	92	19,5	10
00016100	5G1	8	110	19,5	10
00018000	6G1	8,7	127	19,5	7
00019500	7G1	8,7	141	19,5	7
00021300	8G1	9,3	157	19,5	7
00023600	10G1	11,1	215	19,5	7
00026000	12G1	11,5	241	19,5	5
00027300	14G1	12,2	272	19,5	5
00028500	16G1	12,9	305	19,5	5
00030000	19G1	13,5	347	19,5	5
00030900	20G1	14,2	366	19,5	5
00033200	24G1	16	466	19,5	5
00035600	27G1	16,4	500	19,5	5
00036800	30G1	17	543	19,5	5
00039200	37G1	18,4	649	19,5	5
00042500	40G1	18,3	569	19,5	5
00040700	41G1	20,8	790	19,5	5
00042700	50G1	25,9	1100	19,5	5
00045000	61G1	27,8	1276	19,5	5
00005500	2x1,5	7,6	87	13,3	16
00008400	3G1,5	8,3	109	13,3	16
00013300	4G1,5	9,3	138	13,3	16
00016200	5G1,5	10,3	168	13,3	16
00005700	2x2,5	9	131	7,98	25
00008600	3G2,5	9,8	167	7,98	20
00013500	4G2,5	10,7	204	7,98	20
00016300	5G2,5	11,9	249	7,98	20
00005800	2x4	10,4	179	4,95	32
00008800	3G4	11,3	226	4,95	25
00013700	4G4	12,3	279	4,95	25
00016400	5G4	13,9	346	4,95	25

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)

Remarks

1.) Ampacity values based on UNE-EN 50565.
Multicore cable (Two or three loaded conductors),
installation in air with an ambient temperature of

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30°C.

*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.

Colour Table

N°Conductors	Insulation Color
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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