CERVIFLAM H07ZZ-F 450/750V CPR
Rubber cables for mobile services

Construction

Conductor	Flexible bare copper wires
	Class V Acc. to UNE-EN 60228
Insulation	Cross liked elastomer compound, rubber (Typo EI8)
	Identification: See attached table
Assembly	Insulated conductors laid up together in concentric layers
Outer sheath	EPR rubber (Tipo EM8)
	Standard colour: Black

Technical characteristics

Operating voltage	450/750 V
Test Voltage	2500 V
Operating T[a]	Fixed service (protected installation): -40°C a +90°C (conductor)
	During installation: -5°C a +70°C
Min. bending radius	Fixed installation:
	3xD (Diameter <= 12 mm)
	4xD (Diameter > 12 mm)
	Free movement:
	4xD (Diameter <= 12 mm)
	6xD (Diameter >12 mm)

Application

Flexible cables with rubber insulation and sheath for mobile applications, with low smoke emission and corrosive gases, for hard services:

In industrial and agricultural facilities, buildings, for applications and supply of equipment for hard services where the cables are subjected to medium mechanical efforts (examples: heating plates, portable lamps, electrical tools such as cutters, circular saws and household electrical tools).In dry, damp or wet rooms.

* CPR:

Cable suitable to be installed 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	UNE-EN 50525-3-21
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Fire Retardant	UNE-EN 60332-3 (IEC 60332-3)
Halogen free	UNE-EN 60754-1 (IEC 60754-1)
Low smoke emission	UNE-EN 61034 (IEC 61034)
Other characteristics	UV resistant
CPR Classification (Euroclass)	Cca-s1b,d1,a1
	(According to UNE-EN 50575)

flame retardant · fire retardant · halogen free · low corrosivity · low smoke opacity · flexible cable · UV resistant

Code:
Family: 343
Revision: 1
Date: 11/05/2018

Realized: **Approved:**

Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)	I (A), 30°C	Ft (N)
34301400	1x1.5	6.8	58	13.7	16.5	22
34301500	1x2.5	7.6	71	8.21	22	37
34301600	1x4	8.7	100	5.09	30	60
34301700	1x6	9.7	130	3.39	38	90
34301800	1x10	11.8	230	1.91	53	150
34301900	1x16	13.2	290	1.21	71	240
34302000	1x25	15.8	420	0.78	94	375
34302100	1x35	17.9	530	0.554	117	525
34302200	1x50	20.5	750	0.386	148	750
34302300	1x70	23.3	960	0.72	185	1050
34302400	1x95	25.9	1250	0.206	222	1425
34302500	1x120	28.6	1560	0.1661	260	1800
34302600	1x150	31.4	1900	0.129	300	2250
34302700	1x185	34.4	2300	0.106	341	2775
34302800	1x240	38.3	2950	0.0801	407	3600
34302900	1x300	40.2	3600	0.0641	468	4500
34305400	2x1	9.2	95	20	15	30
34305500	2x1.5	10.2	119	13.7	18.5	45
34305700	2x2.5	12.2	172	8.21	25	75
34305800	2x4	14.2	239	5.09	34	120
34305900	2x6	15.8	319	3.39	43	180
34306000	2x10	21.3	572	1.91	60	300
34306100	2x16	24.5	767	1.21	79	480
34306200	2x25	29.2	1154	0.78	105	750
34308300	3G1	10.1	115	20	15.5	45
34308400	3G1.5	11.9	144	13.7	19.5	67
34308600	3G2.5	14	211	8.21	26	112
34308800	3G4	16.2	290	5.09	35	180
34308900	3G6	17.9	391	3.39	44	270
34309000	3G10	24.1	706	1.91	62	450
34309100	3G16	27.5	961	1.21	82	720
34309200	3G25	32.9	1439	0.78	109	1125
34309300	3G35	37.1	1814	0.554	135	1575
34309400	3G50	42.9	2550	0.386	169	2250
34309500	3G70	48.3	3210	0.272	211	3150
34309600	3G95	53.9	4423	0.206	250	4275
34309700	3G120	59.8	5405	0.161	292	5400
34309800	3G150	65.7	6725	0.129	335	6750
34309900	3G185	71.9	8222	0.106	378	8325
34310000	3G240	81.8	10224	0.0801	447	10800
	3G300	89.8	12620	0.0641	509	13500
34313200	4G1	11.1	141	20	13	60
34313300	4G1.5	12.9	176	13.7	16	90
34313500	4G2.5	15.3	235	8.21	22	150

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34313700	4G4	17.7	365	5.09	30	240
34313800	4G6	19.8	501	3.39	37	360
34313900	4G10	26.5	872	1.91	52	600
34314000	4G16	30.1	1194	1.21	69	960
34314100	4G25	36.6	1822	0.78	92	1500
34314200	4G35	41.1	2307	0.554	114	2100
34314300	4G50	47.5	3253	0.386	143	3000
34314400	4G70	53.8	4130	0.272	178	4200
34314500	4G95	60.9	5720	0.206	210	5700
34314600	4G120	65.8	6965	0.161	246	7200
34314700	4G150	72.7	8644	0.129	282	9000
34311600	4G185	80.1	10598	0.106	319	11100
34311700	4G240	86.4	12100	0.0801	377	14400
	4G300	96.5	15200	0.0641	430	18000
34316100	5G1	12.2	170	20	13.5	75
34316200	5G1.5	14.2	214	13.7	16.5	112
34316300	5G2.5	16.9	316	8.21	23	187
34316400	5G4	19.8	448	5.09	30	300
34316500	5G6	22.1	607	3.39	38	450
34316600	5G10	29.1	1075	1.91	54	750
34316700	5G16	33.3	1480	1.21	71	1200
34316800	5G25	38.4	2255	0.78	94	1875
34316900	5G35	37	2700	0.554	117	2526
34318100	6G1.5	16.2	287	13.7	11.6	135
34318300	6G2.5	19.1	420	8.21	15.8	225
34318400	6G4	22.1	583	5.09	21.8	360
34319600	7G1.5	19.1	303	13.7	10.1	157
34319700	7G2.5	21.5	448	8.21	13.7	262
34319800	7G4	38.4	697	5.09	18.9	420
34326100	12G1.5	22.4	496	13.7	7.8	270
34326200	12G2.5	26.2	724	8.21	10.5	450
34326300	12G4	30.9	1042	5.09	14.5	720
34327500	14G2.5	25	860	8.21	10.5	525
34329800	18G1.5	26.3	702	13.7	7	405
34329900	18G2.5	29.3	1045	8.21	9.5	675
	18G4	26.4	1430	5.09	13.1	1080
34333300	24G1.5	30.7	935	13.7	6.2	540
34333400	24G2.5	34.6	1325	8.21	8.4	900
34319600	7G1.5	26.2	975	13.7	5.4	607
34335800	27G2.5	30.2	1375	8.21	7.4	1012
34336000	36G1.5	35.2	1297	13.7	5.4	810
	36G2.5	41.8	1949	8.21	7.4	1350
34339300	37G1.5	36.2	1317	13.7	5.4	832

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Code Cervi codification

NxS (mm2) Number of conductors x Section (mm2)

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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)
Ft (N)	Max. Tensile strength, N (during installation)

Colour table

N° conductors	Insulation colour
2	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

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