CERVITRONIC LiYY 250V CPR
Data transmission

Construction

Conductor	Flexible bare copper wires
	· Sections up to 0.34mm2: According EN 13602
	· Sections from 0.5mm2 (incl.): Class V according UNE-EN 60228
Insulation	PVC (Type TI51)
	Identification: Colour code according DIN 47100
Assembly	Insulated conductors laid-up together in concentric layers
Outer sheath	PVC (Type TM51)
	Colour Standard: Grey RAL 7032
	(*Other colours under order)

Technical characteristics

Operating voltage	250 V
	(*Not suitable for direct connection to mains supply or other low impedance sources)
Test Voltage	1000 V
Operating T^{a} (conductor)	Fixed installation: -15°C +70°C
Insulation resistance	>20 MOhm*Km
Min. bending radius	8xD

Application

Flexible cable designed for use in industrial processes or buildings in fixed installations. For signal transmission between electronic devices, computer systems or process control units with EMC requirements. Suitable for free-moving applications requiring flexibility but without tensile stress.

*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 / Properties

Ref. for construction/drawing	UNE 212016 (According VDE 0812)
CPR Classification (Euroclass)	Eca
	(According UNE-EN 50575)
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)

flame retardant flexible cable

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Code:
Family: 041
Revision: 2
Date: 21/03/2018

Realized: **Approved:**

Constructive Data

Code	NxS (mm2)	Ø exterior (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
04104202	2x0.14	3.1	14	139
04107202	3x0.14	3.3	17	139
04112102	4x0.14	3.5	20	139
04115102	5x0.14	3.8	23	139
04117402	6x0.14	4.4	29	139
04118902	7x0.14	4.4	31	139
04120702	8x0.14	4.8	34	139
04123102	10x0.14	5.4	45	139
04125402	12x0.14	5.6	50	139
04126702	14x0.14	5.8	56	139
04127902	16x0.14	6.1	60	139
04129102	18x0.14	6.7	70	139
04130302	20x0.14	7.1	78	139
04131502	21x0.14	7.1	81	139
04132702	24x0.14	7.7	94	139
04133802	25x0.14	7.9	101	139
04135002	27x0.14	7.9	107	139
04136202	30x0.14	8.1	109	139
04137402	33x0.14	8.6	119	139
04138602	37x0.14	9	132	139
04139802	40x0.14	9.4	143	139
04140902	44x0.14	10	160	139
	48x0.14	10.2	169	139
04143302	52x0.14	10.4	177	139
	56x0.14	10.9	193	139
04144402	61x0.14	11.3	208	139
04104302	2x0.22	3.3	17	88.6
04104312	2x0.22 R100	3.3	17	88.6
04104300	2x0.22 Black	3.3	17	88.6
04107302	3x0.22	3.5	20	88.6
04107312	3x0.22 R100	3.5	20	88.6
04107300	3x0.22 Black	3.5	20	88.6
04112202	4x0.22	3.8	24	88.6
04112212	4x0.22 R100	3.8	24	88.6
04115202	5x0.22	4.3	30	88.6
04115212	5x0.22 R100	4.3	30	88.6
04117502	6x0.22	4.7	35	88.6
04117500	6x0.22 Black	4.7	35	88.6
04119002	7x0.22	4.7	38	88.6
04120802	8x0.22	5.2	45	88.6
04123202	10x0.22	5.8	56	88.6
04125502	12x0.22	6	62	88.6
04126802	14x0.22	6.3	69	88.6
04128002	16x0.22	6.6	76	88.6

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Code	NxS (mm2)	Ø exterior (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
04131602	21x0.22	7.7	102	88.6
04133902	25x0.22	8.5	126	88.6
04133906	25x0.22 Blue	8.5	126	88.6
04136302	30x0.22	8.8	137	88.6
04138302	36x0.22			88.6
04138702	37x0.22	9.9	172	88.6
04139902	40x0.22	10.4	188	88.6
04140402	44x0.22			88.6
04104402	2x0.25	3.5	19	79
04107402	3x0.25	3.7	23	79
04112302	4x0.25	4.2	29	79
04115302	5x0.25	4.6	35	79
04117602	6x0.25	5	40	79
04119102	7x0.25	5	43	79
04120902	8x0.25	5.5	50	79
04123902	10x0.25	6.4	67	79
04125602	12x0.25	6.6	74	79
04126902	14x0.25	6.9	82	79
04128102	16x0.25	7.3	92	79
04130502	20x0.25	8.2	113	79
04131702	21x0.25	8.2	117	79
	24x0.25	9.1	141	79
04134002	25x0.25	9.3	149	79
04135202	27x0.25	9.3	153	79
04136402	30x0.25	9.6	161	79
04137602	33x0.25	10	175	79
04138802	37x0.25	10.4	192	79
04140002	40x0.25	11.1	214	79
04141102	44x0.25	11.8	241	79
	48x0.25	12	253	79
04143502	52x0.25	12.3	267	79
04191902	56x0.25	12.7	285	79
04144602	61x0.25	13.3	313	79
04104602	2x0.34	4.2	27	57.4
04107502	3x0.34	4.4	32	57.4
04112402	4x0.34	4.8	39	57.4
04115302	5x0.34	5.3	46	57.4
04117702	6x0.34	5.7	53	57.4
04119202	7x0.34	5.7	58	57.4
04121002	8x0.34	6.6	72	57.4
04123302	10x0.34	7.4	91	57.4
04125702	12x0.34	7.6	100	57.4
04127002	14x0.34	8	111	57.4
04128202	16x0.34	8.7	130	57.4
04129402	18x0.34	9.1	142	57.4
04130602	20x0.34	9.8	161	57.4

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Code	NxS (mm2)	Ø exterior (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
04131802	21x0.34	9.8	166	57.4
04132902	24x0.34	10.8	199	57.4
04135302	27x0.34	11.8	235	57.4
04136502	30x0.34	12	245	57.4
04136511	30x0.34 White	12	245	57.4
04137702	33x0.34	12.4	263	57.4
04138902	37x0.34	12.8	265	57.4
04140002	40x0.34	13.2	304	57.4
04141202	44x0.34	14	339	57.4
	48x0.34	14.2	356	57.4
04142402	50x0.34			57.4
04104702	2x0.5	4.6	34	39
04107602	3x0.5	4.9	41	39
04112502	4x0.5	5.3	49	39
04115502	5x0.5	5.8	59	39
04117802	6x0.5	6.5	71	39
04119302	7x0.5	6.5	78	39
04121102	8x0.5	7.3	93	39
04123402	10x0.5	8.2	118	39
04125802	12x0.5	8.7	136	39
04127102	14x0.5			39
04128302	16x0.5	9.6	168	39
04129502	18x0.5	10.1	185	39
04130702	20x0.5	11.1	216	39
04131902	21x0.5	11.1	223	39
04133002	24x0.5	12	259	39
04134202	25x0.5	12.3	275	39
04135402	27x0.5	12.3	282	39
04136602	30x0.5	12.7	299	39
04137802	33x0.5	13.4	331	39
04138502	36x0.5			39
04139002	37x0.5	13.9	362	39
04140202	40x0.5	14.3	384	39
04142502	50x0.5			39
04108302	3x1	5.9	70	19.5

Legend

Code	Cervi codification
NxS (mm2)	Number of conductors x Section (mm2)
Weight (kg/km)	Approximate cable weight (kg/km)
R at 20°C (Ohm/Km)	Conductor resistance at 20ºC (Ohm/km)

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