CERVITRONIC PAR 250V
Data cables

www.cervi.es

Construction

Conductor	Stranded tinned copper wires
Insulation	PE (Polyethylene)
	Identification: See attached colour table
Assembly	Twisted pairs with individual screen laid up together (15-20 turns/m Min)
Individual screen	Aluminium/polyester tape + flexible tinned copper drain wire
	Overlap: 25%
	Coverage: 100%
Outer sheath	PVC (Polyvinyl chloride)
	Colour: Grey (Similar to RAL 7032)

Technical characteristics

Operating voltage	250 V (Not to be used for direct connection to main power network or other low impedance sources)
Test Voltage	1000V
Capacitance	100 pF/m Max.
Operating T^{a} (conductor)	-15°C to +70°C
Min. bending radius	8xD

Application

Flexible data transmission cable for use in instrumentation systems of industrial processes in fixed installations. Specially recommended when a good electromagnetic protection as well as a good autonomy of each of the pairs is required thanks to the individual shielding on each of them.

Standards

Ref. standard for drawing	Based on UNE 212016
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)

flame retardant · flexible cable · electromagnetic protection

[746]

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Code: 044
Family: 044
Revision: 1
Date: 16/11/2023

Realized:

Approved:

Constructive Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	R at 20°C (Ohm/Km)
04451302	2x2x0,22	5,5	31	91
04451402	3x2x0,22	5,8	39	91
04451502	4x2x0,22	6,3	49	91
04451702	6x2x0,22	7,7	71	91
04452602	10x2x0,22	9,9	113	91
04452002	12x2x0,22	10,2	129	91
04454402	1x2x0,34	4,1	22	59
04454502	2x2x0,34	6,4	40	59
04454602	3x2x0,34	6,8	51	59
04454702	4x2x0,34	7,4	64	59
04454902	6x2x0,34	9,1	94	59
04455202	12x2x0,34	12,4	178	59

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

Pair Nº	Conductor A	Conductor B
1	Black	Red
2	Black	White
3	Black	Green
4	Black	Blue
5	Black	Yellow
6	Black	Brown
7	Black	Orange
8	Red	White
9	Red	Green
10	Red	Blue
11	Red	Yellow
12	Red	Brown

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