



Construction

Conductor	Flexible tinned copper
Insulation	Polyolefin (Polyethylene or LSHF compound) Colour Code: See table
Assembly	Shielded twisted pairs laid-up together (15-20 turns/m Min)
Pair Screen	Aluminium/polyester tape + flexible tinned copper drain wire
Overall screen	Aluminium/polyester tape + flexible tinned copper drain wire
Outer sheath	Halogen free compound Colour: Green

Technical characteristics

Operating T^a	-15°C to +70°C
Min. bending radius	10xD
Test Voltage	1000V
Operating voltage	250V
Insulation resistance	>10 MOhm _x km

Application

Flexible, individually shielded data transmission cable designed for use in industrial processes, where some protection against electromagnetic interference is required and zero halogen emission is required in the event of fire. It must not be used for direct connection to the mains supply or other low-impedance sources.

Standards / Properties

Ref. standard for drawing	According to UNE 212016
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Halogen free	UNE-EN 60754-1 (IEC 60754-1)
Low corrosivity	UNE-EN 60754-2 (IEC 60754-2) (pH >= 4,3 ; conductivity <= 10µS/mm)
Low smoke emission	UNE-EN 61034 (IEC 61034)



Constructive Data

Code	NxS (mm2)	Ø (mm)	Weight (kg/km)	Rt (Ohm/Km)
31151200	1x2x0.22	3.7	22	88.6
31151300	2x2x0.22	6	42	88.6
31151400	3x2x0.22	6.4	53	88.6
31151500	4x2x0.22	7	65	88.6
31151600	5x2x0.22	7.7	78	88.6
31151700	6x2x0.22	8.4	90	88.6
31151800	7x2x0.22	8.4	99	88.6
31151100	8x2x0.22	9.2	114	88.6
31152000	12x2x0.22	11.2	163	88.6
31152100	16x2x0.22	12.6	210	88.6
31152200	21x2x0.22	14.1	267	88.6
31154400	1x2x0.34	4.2	32	57.4
31154500	2x2x0.34	6.6	51	57.4
31154600	3x2x0.34	7	64	57.4
31154700	4x2x0.34	7.8	81	57.4
31154800	5x2x0.34	8.6	98	57.4
31154900	6x2x0.34	9.4	114	57.4
31155000	7x2x0.34	9.4	125	57.4
	8x2x0.34	12	165	57.4
31155200	12x2x0.34	12.5	206	57.4
31155900	20x2x0.34	15.7	328	57.4
	30x2x0.34	18.7	480	57.4
31156000	1x2x0.50	4.7	34	39
31156100	2x2x0.50	7.7	66	39
31156200	3x2x0.50	8.2	84	39
31156300	4x2x0.50	9	104	39
31156500	6x2x0.50	10.9	148	39
31156506	6x2x0.50 Blue	10.9	148	39
31158000	8x2x0.50	12	189	39
31156800	10x2x0.50	14.2	239	39
31156900	12x2x0.50	14.7	274	39
31157100	16x2x0.50	16.5	353	39
31157200	20x2x0.50	18.5	435	39
	24x2x0.50	20.8	540	39

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)
Rt (Ohm/Km)	Conductor resistance at 20°C (Ohm/km)

Colour Code

Pair	Colour	Colour
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
13	Red	Orange
14	Green	White
15	Green	Blue
16	Green	Yellow
17	Green	Brown
18	Green	Orange
19	White	Blue
20	White	Yellow
21	White	Brown
22	White	Orange
23	Blue	Yellow
24	Blue	Brown