Li2YCYv (TP) 4x2x0,5 CE

Application

Data transmission cable, control and connecting cable especially for cabling with high data transfer rates up to 10 Mb/s, for lossless data and signal transmission qualified for the RS422 and RS485 interfaces. For fixed laying and flexible applications with undefined cable routing and without tensile stress. Suitable for outdoor use without UV-protection as well as laying directly underground.

Special features

- Free of harmful substances; lacquers and silicones.
- Twisted pairs
- Largely resistant to acids, bases and specified types of oil.
- EMC compliant. To optimize the EMI features we recommend a large round contact of copper braiding on both ends.
- Suitable for maxi-termi-point applications by 7 wire conductors <1 mm²

Remarks

- RoHS compliant.
- According to EC Directive 2006/95 / EC.
- For indoor and outdoor use as well as laying directly underground
- Versions out of print, available as special manufacture.

Structure & Specifications

Conductor	Annealed electrolytic copper
Conductor class	Bare copper, 7 wire conductor construction to DIN VDE 0812 Class 2
Core insulation	PE
Core indentification	Acc. to DIN 47100
Stranding	Stranded in layers with optimal lay-length
Conductor wrapping	Polyester (PETP) foil
Screen	Tinned copper braid 85% coverage
Outer sheath	Special PVC compound. Direct burial & UV resistant
Color	Black RAL 9005
Rated voltage	Uo/U: 250 V (Peak voltage on 0,14 mm² 300V). Bigger cross sections Uo/U: 500 V
Testing voltage	Core/Core: 2 kV; Core/Shield: 1 kV
Conductor resistance	Loop: 0,22 mm² max. 186 Ω/km; 0,34 mm² max. 115 Ω/km; 0,50 mm² max. 78,4Ω/km
Insulation resistance	≥ 5 GΩ/km
Capacity	Max. 60 nF/km (from 4 pairs)
Inductivity	0,4 mH/km
Impedance	100 Ω
Min. bending radius fixed	10 x Ø
Min. bending radius moved	15 x Ø
Temperature range fixed	-30 °C / +80 °C
Temperature range moved	-5 °C / +70 °C
Burning behavior	Flame retardant IEC 60332-1-2 resp. EN 50265-2-1
Standard	Based on DIN VDE 0812

part name	Ø [mm]	Cu [kg/km]	G [kg]
02X2X0.22	6.4	20	49
03X2X0.22	7.2	26	64
04X2X0.22	7.9	31	76
08X2X0.22	9.8	54	125
10X2X0.22	11.5	65	162
01X2X0.25	6.9	15	31
01X2X0.34	7.4	20	44
02X2X0.34	6.9	29	58
03X2X0.34	7.7	38	76
04X2X0.34	8.6	47	95
08X2X0.34	10.8	78	158
10X2X0.34	12.5	113	204
01X2X0.5	6.2	28	48
02X2X0.5	8.3	37	81
03X2X0.5	9.1	53	101
04X2X0.5	10.2	60	127
08X2X0.5	12.5	106	205
10X2X0.5	14.7	148	269
12X2X0.5	15.3	185	301
24X2X0.5	20.1	363	529
02X2X0.75	10	54,2	122
04X2X0.75	11.7	97,8	191
08X2X0.75	15.1	175,4	308
10X2X0.75	17.3	220	404
01X2X1	7.3	42	74
02X2X1	9.8	64,2	120
04X2X1	12.3	132	203
04X2X1.5	12.2	187	314