

LIYCY-TP 300/500V

Copper braided screen cable

Suitable for EMC-sensitive applications



Application

This cable is suitable to be used as control and signal cable in the electronics and measurement equipments. The pair twisting of the cores ensuring the exact data transmission, the braided copper wire screen protects the cables against electromagnetic disturbance and outside interference

Construction

Conductor	: Stranded bare Cu conductor, fine wire
Conductor structure	: Stranding according to IEC 60228, Class 5
Insulation	: PVC ,Two cores twisted in pair, pairs stranded in layers
Insulation color	: Different colours acc. to DN 47100
Sheath	: PVC outer sheath
Sheath color	: Grey color, RAL7001
Rated voltage	: 300/500 V
Test voltage	: 2500 VAC / 5 min.
Insulation resistance	: $\geq 20\text{M}\Omega \times \text{Km}$
Temp. range	: Moved = -5°C to 70°C : Unmove = -30°C to 70°C
Bending radius	: 15 x cable diameter
Flame retardant	: IEC-60332-1

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Cross Section	Outer Diameter approx.	Cable Weight approx.
(mm ²)	(mm)	(kg/km)
2 x 2 x 0.25	7.6	68
3 x 2 x 0.25	8.3	83
4 x 2 x 0.25	9.3	104
6 x 2 x 0.25	11.0	142
8 x 2 x 0.25	11.4	163
10 x 2 x 0.25	12.6	197
12 x 2 x 0.25	13.8	238
16 x 2 x 0.25	15.6	299
24 x 2 x 0.25	18.8	426
2 x 2 x 0.34	7.9	74
3 x 2 x 0.34	8.7	93
4 x 2 x 0.34	9.7	114
6 x 2 x 0.34	11.5	158
8 x 2 x 0.34	12.2	192
10 x 2 x 0.34	13.6	239
12 x 2 x 0.34	14.5	270
16 x 2 x 0.34	16.7	353
24 x 2 x 0.34	20.0	499
2 x 2 x 0.5	8.6	89
3 x 2 x 0.5	9.7	116
4 x 2 x 0.5	10.9	147
6 x 2 x 0.5	12.8	200
8 x 2 x 0.5	13.6	247
10 x 2 x 0.5	15.0	298
12 x 2 x 0.5	16.1	341
16 x 2 x 0.5	18.5	445
24 x 2 x 0.5	22.3	639

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Cross Section	Outer Diameter approx.	Cable Weight approx.
(mm ²)	(mm)	(kg/km)
2 x 2 x 0.75	9.5	110
3 x 2 x 0.75	10.7	146
4 x 2 x 0.75	12.1	186
5 x 2 x 0.75	13.0	213
6 x 2 x 0.75	14.1	255
8 x 2 x 0.75	14.9	310
12 x 2 x 0.75	18.0	445
16 x 2 x 0.75	20.3	563
24 x 2 x 0.75	24.5	812
2 x 2 x 1	10.3	130
3 x 2 x 1	11.6	173
4 x 2 x 1	12.9	214
5 x 2 x 1	14.3	265
8 x 2 x 1	16.1	369
10 x 2 x 1	18.0	457
12 x 2 x 1	19.6	539
16 x 2 x 1	22.3	693
24 x 2 x 1	27.0	1016
2 x 2 x 1.5	10.6	165
3 x 2 x 1.5	11.3	218
4 x 2 x 1.5	11.6	265
5 x 2 x 1.5	13.4	310
6 x 2 x 1.5	15.5	482
8 x 2 x 1.5	16.5	642
10 x 2 x 1.5	17.8	870
12 x 2 x 1.5	19.3	939
16 x 2 x 1.5	27.1	1011
24 x 2 x 1.5	32.3	1429