LI-YCY-PF-OZ

Data cables (0.6/1 kV)

PVC sheathed, screened, flexible data and control cable

Construction:

Conductor	: plain copper, flexible multi-stranded.
Insulation	: PVC compound.
Identification	: black coloured cores are numbered with 1-2, 3-4, 5-6,…
Pair	: two cores twisted to a pair.
Lay-up	: pairs lay-up in layers with optimum pitch.
Separator	: polyester tape.
Overall screen	: braid of tinned copper wires, 80 % optical coverage.
Sheath	: PVC compound, flame retardant.
Sheath colour	: RAL 7001, Grey or RAL 7035, Grey or other colours. To be agreed upon the shade of Grey (RAL 7001).

Technical data and tests:

Rated Voltage	: 0,6/1 kV.
Test Voltage (AC 50 Hz)	: 3.5 kV .
Temperature Range	: -30° C + 70° C.
Insulation Resistance	: >100 Mohm x km.
Min. bending radius	: 10 x D.
Mutual capacity (1 kHz)	: max. 120 nF/km.

Standards:

Cable	: adapted to DIN VDE 0812.
Conductor	: EN 60228 Class 5.
Core identification	: DIN 47100.
Flame test	: IEC 60332-1.

Applications:

These flexible control and connecting screened cables are used in instrumentation and control engineering, in industrial electronics, computers, security systems information and transmission systems office machines. They are also used for data transmission for voice frequency transmission. The tinned copper wires braiding acts as a screen and provides protection from external pulses. These cables are not intended for outdoor or underground installation.

DIMENSIONS

No. of cores x cross section mm²	Approx. outer diameter mm	Copper weight kg/km	Approx. cable weight kg/km
1X2X1	7,70	34	85
2X2X1	12,60	62	180
3X2X1	13,30	81	205
4X2X1	14,20	101	255
5X2X1	15,60	122	315
6X2X1	18,30	146	400
7X2X1	18,30	163	410
8X2X1	19,30	184	460
10X2X1	21,40	223	575
12X2X1	23,50	273	670

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