



Control and Signal Cables

Cable LiYCY

Overview

Shielded flexible cable for data transmission circuits, transmission of analog and digital signals in industrial zones. For instrumentation and measurement equipment in places of high risk of electric or electromagnetic interference. The shield allows for interference-free transmission of data.

TECHNICAL DATA

Standards

VDE 0812,0245 IEC 60228

Color

Grey (RAL 7001)

Conductor

Flexible bare copper, class 5

Printing

“Manufacturer” LiYCY – DIN (no. cores) x (cross section mm²)
(length mt) (year of manufacture) CE

Insulation

PVC

Tests

Self-extinguishing and flame retardant according to IEC 60332-1.

Core Identification

Color codes according DIN 47100

Operating Voltage

300/500V

Strapping

Polyester tape

Test Voltage

Conductor/conductor: 1200V
Conductor/shield: 800V

Shield

Tinned copper braid, 50% coverage approx.

Operating Temperature

Fixed: -30°C to +70°C
Not fixed: -5°C to +70°C

Outer Sheath

PVC

Min. Bending Radius

Fixed: 5xØ
Not fixed: 10xØ

Table: No. Cores, diameter and weight for each control cable and control type LiYCY.

No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]
2x0.5	3.9	21
3x0.5	4.1	25
4x0.5	4.4	29
5x0.5	4.7	33
6x0.5	5.0	38
7x0.5	5.0	40
8x0.5	5.7	49
10x0.5	6.5	59
12x0.5	6.7	65

No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]
2x0.75	6.0	59
3x0.75	6.2	66
4x0.75	6.7	77
6x0.75	8.1	113
7x0.75	8.2	130
8x0.75	9.0	145
10x0.75	10.3	180
12x0.75	10.4	202
19x0.75	12.6	322
25x0.75	14.3	415

No. Cores x cross sec.[mm ²]	Ø Outer [mm]	Weight [kg/km]
2x1	6.4	65
3x1	6.7	80
4x1	7.2	98
5x1	8.0	127
7x1	8.6	158
12x1	11.4	260
2x1.5	7.3	88
3x1.5	7.6	100
4x1.5	8.2	126