



## Control and Signal Cables

### Cable LiYCY – (TP)

#### 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. (TP) Twisted pairs.

#### 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 mm<sup>2</sup>)  
(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 – (TP).

No. Cores x cross sec.(mm <sup>2</sup> )	Ø Outer (mm)	Weight (kg/km)
2x2x0.50	6.8	59
2x2x0.75	7.7	77
2x2x1	8.3	91
3x2x0.5	7.8	82
3x2x0.75	8.6	107
3x2x1	10.0	129
4x2x0,50	9.0	107
4x2x0.75	10.2	139
4x2x1	11.0	167