



LiYCY 0.14² to 0.34²

referring to DIN VDE 0812

APPLICATION

Connecting and junction cable for measurement and control technology. Not approved for power and underground installation. At dry and moist rooms applicable. Approved for usage acc. to euroclass classification Eca.

Usage: mechanical-, tool-, and facility construction, also in electronic. Also in MSR-technology or office equipment.

CONSTRUCTION

Conductor: copper strand, bare

0.14mm² ca. 18x0.1mm

0.25mm² ca. 14x0.15mm

0.34mm² ca. 7x0.25mm

Core insulation: special compound on PVC basic

Core identification: acc. to DIN 47100

Stranding: cores to layers

Wrapping: Foil winding over outer layer

Screening: tinned copper wire braid

Sheath material: Special compound on PVC basic

Sheath color: pebble gray, RAL 7032

BEHAVIOR UNDER FIRE CONDITIONS

EN 60332-1-2, EN 50575, EN 13501-6 class Eca

CHEMICAL PROPERTIES

RoHS: acc. to EU-guideline 2011/65/EU

REACH: acc. to EG-regulation Nr. 1907/2006

PWIS: used material have no paint-wetting disturbing substance

ELECTRICAL CHARACTERISTICS

Conductor resistance 0.14 ²	max. 148Ω/km
Conductor resistance 0.25 ²	max. 79.9Ω/km
Conductor resistance 0.34 ²	max. 57.5Ω/km
Insulation resistance min.	20 MΩxkm
	at +20°C
Inductivity	ca. 0.65 mH/km
Operating capacity	C/C: ca. 120nF/km
	C/S: ca. 160nF/km
Test voltage	0.14mm ² 1200V/AC
	from 0.25mm ² 1500V/AC
Operating voltage	0.14mm ² 350V
	from 0.25mm ² 500V

THERMAL & MECHANICAL PROPERTIES

Temperature range stationary -40°C to +80°C

Temperature range during inst. -5°C to +70°C

min. bending radius installed 6 x diameter

min. bending radius moved 15 x diameter

Version: 03/2021

We reserve changes which serve technical progress • Price upon quantity-specific request

