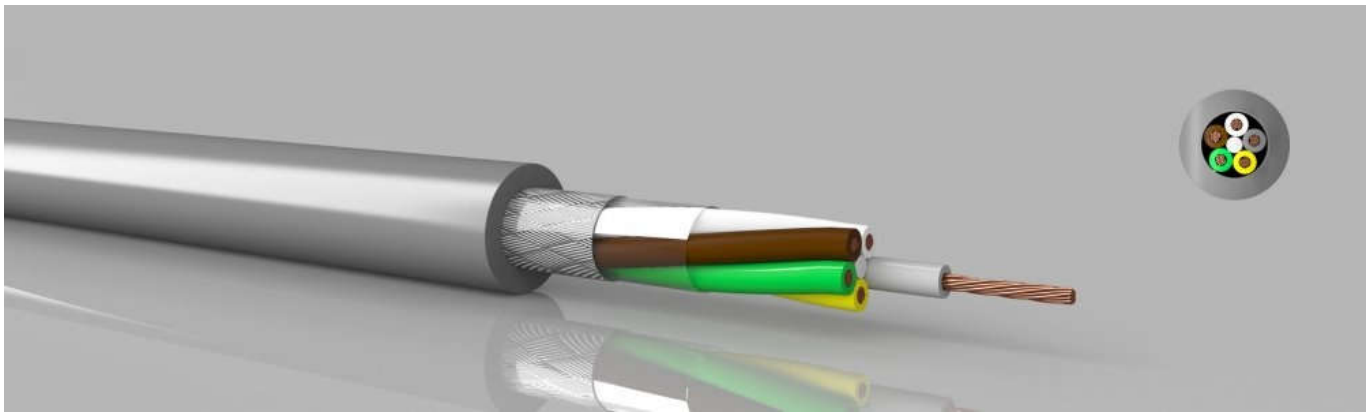
kabeltronik®

quality at the highest level



✓ installation ✓ RoHS ✓ REACH ✓ CE

LiYCY 3 x 0,50 qmm

PVC, shielded
Order-No. 020305000

Application / Description

Measuring-, signal and automatic technology in electronics as well as process- and machine-control, inside dry, moistly and wetly rooms. For permanently outside using not suitable. Increased interference protection and increased mechanical maximum stress by copper braid.

Variant data

O.D.	approx. 5,70 mm
weight	45,0 kg/km
Cu-weigth	35,0 kg/km
skinning tool (jacket)	20100
skinning tool (core)	20300 / 30160

Construction / data

Conductor	bare stranded copper wire
Structure of conductor	16 x 0,20 mm
Cross section	0,50 qmm
Core-Ø	approx. 1,80 mm
number of cores	3
Core insulation	PVC acc. to VDE 0207
Colour sequence	DIN 47100
Twisting	cores in layers
Overall shield	tinned copper braid, coverage approx. 85 %
Outer jacket	PVC acc. to VDE 0207
Outer jacket colour	grey sim. RAL 7001
Dimension	3 x 0,50 qmm

Technical characteristics

Not approved for heavy current applications!

Temperature range	static: -30 °C to +70 °C dynamic: -5 °C to +70 °C
Bending radius static	> 10 x O.D.
Bending radius dynamic	> 15 x O.D.
Operating capacity (C/C)	approx. 160 pF/m
Operating voltage	500 V
Testing voltage	1.200 V
Insulation resistance	> 20 MOhm x km at + 20°C
Conductor resistance	max. 37,8 Ohm/km

Packaging

Rings at 100m, Reels
Lower and upper lengths according to availability. Special packaging on request.

Technische Änderungen und Irrtümer vorbehalten. Die Eignung für einen konkreten Verwendungszweck muss vom Kunden geprüft werden. Achtung: Gefahr eines elektrischen Schlages, Produkt darf nur von Fachpersonal verarbeitet werden!
Technical changes and errors reserved. The suitability for a specific purpose must be checked by the customer. Warning: Risk of electric shock, the product may only be handled by qualified personnel

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