



LiYCY 0.50² to 1.50²

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
acc. to VDE 0295 class 5

Core insulation: special compound on PVC basic

Core identification: acc. to DIN 47100

Stranding: cores to layer

Wrapping: Foil 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, EN50575, 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 0.50 ²	max. 38.9 Ω/km
Conductor resistance 0.75 ²	max. 26.0 Ω/km
Conductor resistance 1.00 ²	max. 19.5 Ω/km
Conductor resistance 1.50 ²	max. 13.3 Ω/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	1500V/AC
Operating voltage	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

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

Dimension	Diameter appr.mm	Cable weight appr.kg/km	Copper index kg/km	Article number
2 x 0.5	5.2	42	29	10230200
3 x 0.5	5.7	55	35	10230300
4 x 0.5	6.1	68	45	10230400
5 x 0.5	6.8	82	50	10230500
6 x 0.5	7.4	104	59	10230600
7 x 0.5	7.4	109	68	10230700
8 x 0.5	7.9	123	75	10230800
10 x 0.5	9.1	135	93	10231000
12 x 0.5	9.4	160	107	10231200
16 x 0.5	10.9	210	129	10231600
20 x 0.5	12	270	165	10232000
24 x 0.5	13.2	320	190	10232400
25 x 0.5	13.5	335	211	10232500
2 x 0.75	5.8	50	35	10240200
3 x 0.75	6.1	71	46	10240300
4 x 0.75	6.8	78	56	10240400
5 x 0.75	7.4	100	70	10240500
6 x 0.75	8	116	85	10240600
7 x 0.75	8	131	90	10240700
8 x 0.75	8.5	151	110	10240800
10 x 0.75	10.5	173	131	10241000
12 x 0.75	10.8	218	148	10241200
18 x 0.75	12.5	300	205	10241800
20 x 0.75	13	331	220	10242000
24 x 0.75	14.8	376	250	10242400
27 x 0.75	15.1	448	277	10242700
30 x 0.75	15.6	486	315	
2 x 1.0	6.1	74	45	10250200
3 x 1.0	6.4	89	54	10250300
4 x 1.0	7.2	107	69	10250400
5 x 1.0	7.8	132	82	10250500
7 x 1.0	8.4	158	106	10250700
8 x 1.0	9.1	179	118	10815100
10 x 1.0	11.1	215	145	10251000
12 x 1.0	11.4	254	166	10251200
16 x 1.0	12.6	330	220	10251600
18 x 1.0	13.2	366	249	10251800
20 x 1.0	13.8	399	269	10252000
25 x 1.0	16.2	478	331	10252500
2 x 1.5	6.9	86	56	10260200
3 x 1.5	7.3	107	74	10260300
4 x 1.5	7.9	129	91	10260400
5 x 1.5	8.6	150	105	10260500
7 x 1.5	9.3	192	141	10260700
8 x 1.5	10.6	219	157	10260800
10 x 1.5	12.3	274	195	10261000
12 x 1.5	12.7	315	228	
18 x 1.5	15.1	450	338	10261800
20 x 1.5	15.8	500	375	
25 x 1.5	18.1	618	459	10261700

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