LiYCY (TP)



Application

These data control cables are used for flexible use with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air. LiYCY is well suited for use in areas subject to signal interference. The high level of screening reduces substantially the effects of electrical disturbances from parallel running wiring etc. The copper screening is also often used as an “earth“. The twisted pairs conform favourable cross-talk attenuation values.

The materials used are free from silicon and cadmium and free from varnish damaging sustances.

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Standards

adapted to DIN VDE 0812,
self-extinguishing and flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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Construction

Inner Conductor	fine-stranded bare copper acc. DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
Core Insulation	Spezial Polyvinylchlorid (PVC) TI2 nach DIN VDE 0207 Teil 4
Core Color	acc. to DIN 47100 with colour repe-tition
Stranding Elements	cores stranded in pairs and pairsbr>stranded in layers with optimal lay-br>length
Overall Shielding	braid shield copper tinned
Outer Insulation Material	special PVC outer sheath TM2, to DIN VDE 0207 part 5
Constant Against	extensively oil resistant

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Elektronikleitungen
Electronic Cables

Technical Data

Nominal Voltage	U_0/U: 300 /500 V
Nominal Volatage DC	U_0/U: 0 /0
Test Voltage	1200 V
Bending Radius moved (xD)	10
Bending Radius fixed (xD)	4
Operating Temperature solid	-40 °C bis 80 °C
Operating Temperature moving	-5 °C bis 70 °C
Fire Classes	Eca

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Elektronikleitungen
Electronic Cables

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
03105111		1x2 x 0,34	grey - grey	58,0	5,2
03105117		1x2 x 0,5	grey - grey	75,0	7,5
03105106		1x2 x 0,75	grey - grey	71,0	6,0
03105104		1x2 x 1	grey - grey	75,0	6,3
03105105		1x2 x 1,5	grey - grey	84,0	7,2
03105001		2x2 x 0,14	grey - grey	40,0	5,0
03105012		2x2 x 0,25	grey - grey	53,0	6,8
03105023		2x2 x 0,34	grey - grey	65,0	7,4
03105027		2x2 x 0,5	grey - grey	87,0	8,0
03105035		2x2 x 0,75	grey - grey	106,0	8,6
03105095		2x2 x 1	grey - grey	143,0	10,2
03105103		2x2 x 1,5	grey - grey	128,0	10,3
03105002		3x2 x 0,14	grey - grey	49,0	5,6
03105013		3x2 x 0,25	grey - grey	65,0	6,9
03105024		3x2 x 0,34	grey - grey	73,0	7,2
03105028		3x2 x 0,5	grey - grey	109,0	9,0
03105038		3x2 x 0,75	grey - grey	140,0	9,5
03105076		3x2 x 1	grey - grey	160,0	9,8
03105003		4x2 x 0,14	grey - grey	55,0	6,1
03105014		4x2 x 0,25	grey - grey	80,0	7,5
03105025		4x2 x 0,34	grey - grey	90,0	8,0
03105029		4x2 x 0,5	grey - grey	139,0	10,1
03105039		4x2 x 0,75	grey - grey	179,0	10,8
03105096		4x2 x 1	grey - grey	197,0	11,4

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Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
03105114		4x2 x 1,5	grey - grey	239,0	12,0
03105004		5x2 x 0,14	grey - grey	66,0	6,5
03105015		5x2 x 0,25	grey - grey	98,0	7,9
03105074		5x2 x 0,34	grey - grey	110,0	8,9
03105030		5x2 x 0,5	grey - grey	164,0	11,3
03105040		5x2 x 0,75	grey - grey	211,0	11,7
03105005		6x2 x 0,14	grey - grey	86,0	7,2
03105016		6x2 x 0,25	grey - grey	114,0	8,6
03105026		6x2 x 0,34	grey - grey	130,0	9,2
03105031		6x2 x 0,5	grey - grey	197,0	12,1
03105041		6x2 x 0,75	grey - grey	246,0	12,5
03105006		7x2 x 0,14	grey - grey	91,0	7,8
03105122		7x2 x 0,34	grey - grey	145,0	10,0
03105007		8x2 x 0,14	grey - grey	97,0	8,3
03105018		8x2 x 0,25	grey - grey	129,0	9,3
03105073		8x2 x 0,34	grey - grey	150,0	10,9
03105032		8x2 x 0,5	grey - grey	207,0	11,4
03105057		8x2 x 0,75	grey - grey	276,0	13,8
03105019		10x2 x 0,25	grey - grey	157,0	11,4
03105033		10x2 x 0,5	grey - grey	276,0	14,5
03105060		10x2 x 0,75	grey - grey	355,0	16,0
03105056	OZ	10x2 x 1	grey - grey	518,0	17,2
03105009		12x2 x 0,14	grey - grey	141,0	9,4
03105020		12x2 x 0,25	grey - grey	189,0	11,6

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03105061		12x2 x 0,34	grey - grey	220,0	13,2
03105034		12x2 x 0,5	grey - grey	306,0	15,1
03105044		12x2 x 0,75	grey - grey	433,0	17,8
03105010		14x2 x 0,14	grey - grey	148,0	10,0
03105011		16x2 x 0,14	grey - grey	155,0	10,6
03105021		16x2 x 0,25	grey - grey	237,0	13,0
03105115		16x2 x 0,34	grey - grey	250,0	14,3
03105043		16x2 x 0,5	grey - grey	400,0	16,0
03105058		16x2 x 0,75	grey - grey	565,0	20,0
03105022		18x2 x 0,25	grey - grey	248,0	13,5
03105068		20x2 x 0,14	grey - grey	183,0	12,2
03105070		20x2 x 0,25	grey - grey	275,0	13,3
03105069		20x2 x 0,5	grey - grey	580,0	19,5
03105048		20x2 x 0,75	grey - grey	615,0	21,0
03105066		24x2 x 0,5	grey - grey	565,0	20,1
03105062		25x2 x 0,14	grey - grey	239,0	12,8
03105089	TR	25x2 x 0,14		239,0	12,8
03105071		25x2 x 0,25	grey - grey	343,0	15,4
03105072		25x2 x 0,5	grey - grey	740,0	22,5
03105059		25x2 x 0,75	grey - grey	732,0	23,6

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