

LiYCY

Application

These screened 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, wherever the construction requirements call for a minimum outer diameter, LiYY is the suitable cable to use. This applies especially to such areas as tool making and machine industries as well as electronic, computer, measurement and control sectors. The extremely small outer diameter make suitable for miniature plugs etc.

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

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.

Construction

Inner Conductor	fine-stranded bare copper acc. DIN VDE 0295 cl. 5 / IEC 60228 cl. 5
Core Insulation	special polyvinylchlorid compound (PVC) TI2 to DIN VDE 0281 part 1
Core Color	acc. to DIN 47100, without colour repetition
Stranding Elements	cores stranded in layers with optimal layer-length
Overall Shielding	braid shield copper tinned
Outer Insulation Material	special PVC outer sheath TM2 to DIN VDE 0281 part 1
Constant Against	extensively oil resistant



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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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Operating Temperature solid	-40 °C to 80 °C
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Fire Classes	Eca

Prod. Nr. Prod. Nr.	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
03104025	1 x 0,25	light grey - light grey	14,0	4,0
03104060	1 x 0,5	grey - grey	21,0	3,3
03104076	1 x 0,75	grey - grey	24,0	3,5
03104085	1 x 1	grey - grey	29,0	3,9
03104001	2 x 0,14	grey - grey	20,0	3,9
03104026	2 x 0,25	light grey - light grey	25,0	4,6
03104045	2 x 0,34	light grey - light grey	31,0	4,8
03104139	2 x 0,34	grey - grey	31,0	4,8
03104061	2 x 0,5	light grey - light grey	42,0	5,0
03104077	2 x 0,75	light grey - light grey	50,0	6,7
03104086	2 x 1	light grey - light grey	58,0	6,3
03104091	2 x 1,5	light grey - light grey	80,0	8,5
03104002	3 x 0,14	grey - grey	24,0	4,0
03104027	3 x 0,25	light grey - light grey	29,0	4,8
03104046	3 x 0,34	light grey - light grey	38,0	5,0
03104135	3 x 0,5	light grey - light grey	55,0	5,3
03104079	3 x 0,75	light grey - light grey	71,0	7,0
03104087	3 x 1	grey - grey	81,0	6,8
03104092	3 x 1,5	light grey - light grey	102,0	7,5
03104117	3 x 2,5	grey - grey	167,0	9,4
03104189	4 x 0,14	grey - grey	28,0	4,2
03104028	4 x 0,25	light grey - light grey	36,0	5,2
03104137	4 x 0,34	light grey - light grey	46,0	5,4
03104063	4 x 0,5	light grey - light grey	68,0	5,7

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03104081	4 x 0,75	light grey - light grey	78,0	7,6
03104088	4 x 1	light grey - light grey	98,0	7,5
03104093	4 x 1,5	light grey - light grey	128,0	9,7
03104004	5 x 0,14	grey - grey	24,0	4,6
03104029	5 x 0,25	light grey - light grey	44,0	5,7
03104048	5 x 0,34	light grey - light grey	54,0	5,9
03104064	5 x 0,5	light grey - light grey	82,0	6,4
03104082	5 x 0,75	light grey - light grey	100,0	8,2
03104089	5 x 1	light grey - light grey	120,0	8,0
03104094	5 x 1,5	light grey - light grey	162,0	9,2
03104005	6 x 0,14	grey - grey	40,0	4,9
03104030	6 x 0,25	light grey - light grey	52,0	5,9
03104118	6 x 0,34	light grey - light grey	61,0	6,5
03104065	6 x 0,5	light grey - light grey	104,0	6,9
03104116	6 x 0,75	light grey - light grey	116,0	8,4
03104162	6 x 1	light grey - light grey	144,0	8,9
03104006	7 x 0,14	grey - grey	41,0	5,0
03104031	7 x 0,25	light grey - light grey	53,0	6,3
03104138	7 x 0,34	light grey - light grey	70,0	6,7
03104066	7 x 0,5	light grey - light grey	109,0	7,0
03104083	7 x 0,75	grey - grey	131,0	9,3
03104101	7 x 1	light grey - light grey	180,0	9,0
03104107	7 x 1,5	grey - grey	208,0	10,7
03104007	8 x 0,14	grey - grey	52,0	6,0

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03104032	8 x 0,25	light grey - light grey	67,0	6,6
03104051	8 x 0,34	light grey - light grey	75,0	7,0
03104067	8 x 0,5	light grey - light grey	123,0	8,0
03104084	8 x 0,75	grey - grey	151,0	9,9
03104112	8 x 1	grey - grey	202,0	10,2
03104008	10 x 0,14	grey - grey	57,0	6,2
03104033	10 x 0,25	light grey - light grey	81,0	6,7
03104052	10 x 0,34	grey - grey	110,0	8,9
03104068	10 x 0,5	light grey - light grey	135,0	9,8
03104152	10 x 0,75	grey - grey	180,0	10,5
03104105	10 x 1	light grey - light grey	215,0	11,4
03104167	10 x 1,5	grey - grey	315,0	12,6
03104009	12 x 0,14	grey - grey	72,0	6,7
03104034	12 x 0,25	grey - grey	91,0	7,8
03104053	12 x 0,34	grey - grey	120,0	9,0
03104069	12 x 0,5	light grey - light grey	150,0	9,5
03104103	12 x 0,75	grey - grey	218,0	11,4
03104090	12 x 1	grey - grey	285,0	11,7
03104110	12 x 1,5	grey - grey	338,0	13,6
03104010	14 x 0,14	grey - grey	78,0	6,9
03104035	14 x 0,25	grey - grey	104,0	8,0
03104163	14 x 0,34	grey - grey	153,0	9,0
03104070	14 x 0,5	grey - grey	169,0	10,0
03104011	16 x 0,14	grey - grey	87,0	7,5

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03104036	16 x 0,25	light grey - light grey	116,0	8,6
03104054	16 x 0,34	grey - grey	147,0	10,0
03104071	16 x 0,5	grey - grey	201,0	10,7
03104146	16 x 0,75	grey - grey	275,0	12,3
03104169	16 x 1,5	grey - grey	424,0	14,4
03104012	18 x 0,14	grey - grey	92,0	7,5
03104037	18 x 0,25	grey - grey	133,0	9,0
03104055	18 x 0,34	grey - grey	172,0	10,5
03104072	18 x 0,5	grey - grey	210,0	11,0
03104095	18 x 0,75	grey - grey	274,0	13,1
03104150	18 x 1	grey - grey	412,0	13,9
03104191	18 x 1,5	grey - grey	450,0	15,5
03104013	20 x 0,14	grey - grey	104,0	7,8
03104121	20 x 0,25	light grey - light grey	152,0	9,1
03104145	20 x 0,34	grey - grey	199,0	10,4
03104073	20 x 0,5	grey - grey	234,0	11,2
03104179	20 x 0,75	grey - grey	362,0	13,4
03104038	21 x 0,25	grey - grey	137,0	10,0
03104108	21 x 0,34	grey - grey	199,0	10,4
03104015	24 x 0,14	grey - grey	118,0	9,1
03104039	24 x 0,25	grey - grey	168,0	10,2
03104056	24 x 0,34	grey - grey	229,0	13,0
03104074	24 x 0,5	grey - grey	290,0	13,3
03104097	24 x 0,75	grey - grey	349,0	15,1

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03104016	25 x 0,14	grey - grey	120,0	9,3
03104124	25 x 0,25	light grey - light grey	173,0	10,4
03104120	25 x 0,34	grey - grey	245,0	13,0
03104115	25 x 0,5	grey - grey	351,0	13,9
03104140	25 x 0,75	grey - grey	415,0	14,3
03104172	25 x 1	light grey - light grey	478,0	16,0
03104192	25 x 1,5	grey - grey	618,0	18,5
03104017	27 x 0,14	grey - grey	123,0	9,3
03104040	27 x 0,25	grey - grey	180,0	12,2
03104057	27 x 0,34	grey - grey	252,0	12,6
03104171	27 x 0,75	grey - grey	450,0	14,3
03104018	30 x 0,14	grey - grey	190,0	9,7
03104106	30 x 0,34	grey - grey	290,0	12,2
03104142	30 x 0,5	grey - grey	396,0	14,6
03104019	32 x 0,14	grey - grey	146,0	10,0
03104041	32 x 0,25	grey - grey	205,0	13,0
03104058	32 x 0,34	grey - grey	288,0	13,5
03104075	32 x 0,5	grey - grey	360,0	14,5
03104166	32 x 0,75	grey - grey	530,0	16,3
03104020	36 x 0,14	grey - grey	157,0	10,2
03104042	36 x 0,25	grey - grey	219,0	12,2
03104187	36 x 0,34	grey - grey	330,0	13,8
03104133	36 x 0,5	grey - grey	445,0	15,7
03104151	36 x 0,75	grey - grey	600,0	17,8

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03104182	37 x 0,25	grey - grey	230,0	11,9
03104021	40 x 0,14	grey - grey	249,0	10,9
03104043	40 x 0,25	grey - grey	247,0	14,1
03104096	40 x 0,34	grey - grey	323,0	14,9
03104134	40 x 0,5	grey - grey	495,0	16,5
03104147	48 x 0,34	grey - grey	420,0	15,8
03104023	50 x 0,14	grey - grey	320,0	12,0
03104114	50 x 0,25	grey - grey	325,0	13,6
03104175	50 x 0,5	grey - grey	570,0	18,1
03104024	52 x 0,14	grey - grey	340,0	12,3
03104044	52 x 0,25	grey - grey	313,0	13,6
03104144	61 x 0,14	grey - grey	370,0	12,2
03104176	61 x 0,25	grey - grey	370,0	15,1
03104119	61 x 0,34	grey - grey	520,0	17,1