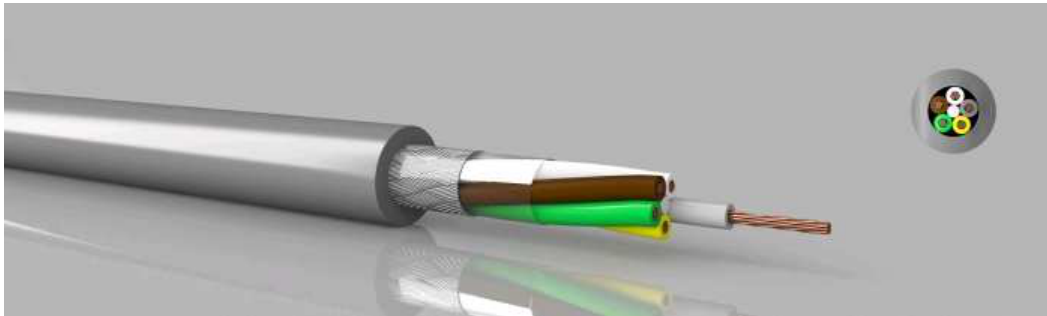


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Control cables

LiYCY, PVC, shielded



Application:

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.

Construction:

Conductor:	bare stranded copper wire			
Cross section (qmm)	0,14	0,25	0,50	0,75
Structure of conductor (mm)	18x0,10	14x0,15	16x0,20	24x0,20
Core diameter (approx. mm)	1,05	1,30	1,80	2,00
Core insulation:	PVC acc. to VDE 0207			
Core code:	DIN 47100			
Twisting:	cores in layers			
Shield:	tinned copper braid approx. 85% coverage			
Jacket:	PVC according to VDE 0207, grey sim. RAL 7001			

Technical characteristics:

Insulation resistance:	min. 200M Ω m x km at +20°C			
Cross section (qmm)	0,14	0,25	0,50	0,75
Conductor resistance (Ohm/km)	138	77,8	37,8	25,3
Capacity (approx. pF/m)	120	120	160	160
Operating voltage (V)	350	500	500	500
Testing voltage (V)	800	1200	1200	1200
Current capacity A* (at + 25°C)	1,50	2,50	5,00	10,5
(* if one core per cable is loaded)				
Temperature range:	static: -30°C to +70°C			
	dynamic: -5°C to +70°C			
Bending radius:	15x O.D.			

Packaging:

rings at 100m, reels

Product range

LiYCY, PVC, shielded

Order no.	dimension (qmm)	O.D. (ca. mm)	weight (kg/km)	co.-weight (kg/km)
	1x0,14	2,3	9	6,0
	1x0,25	2,8	15	7,1
PLU030250	1x0,50	3,1	18	10,2
	1x0,75	3,5	26	14,7
	1x1,00	4,0	28	17,5
	1x1,50	4,3	40	21,6
	2x0,14	3,9	21	11,1
	3x0,14	4,0	28	12,8
	4x0,14	4,3	32	14,0
	5x0,14	4,6	38	16,0
	6x0,14	5,0	41	19,0
	7x0,14	5,2	44	20,1
	8x0,14	5,5	52	22,0
	10x0,14	6,2	60	28,5
	12x0,14	6,5	69	33,1
	16x0,14	7,2	87	42,7
	25x0,14	8,5	128	76,0
	32x0,14	9,0	138	96,0
	36x0,14	9,3	148	108,0
	40x0,14	10,4	193	115,0
	50x0,14	11,1	225	135,0
	2x0,25	4,1	30	15,0
	3x0,25	4,5	37	18,2
	4x0,25	4,8	40	22,0
	5x0,25	5,2	47	25,0
	6x0,25	5,7	62	30,0
	7x0,25	5,9	67	32,0
	8x0,25	6,2	72	42,1
	10x0,25	7,2	90	49,9
	12x0,25	7,4	91	59,0
	16x0,25	8,3	139	67,0
	24x0,25	10,5	161	115,0
	36x0,25	11,8	217	145,0
	50x0,25	13,8	359	180,0
	2x0,50	5,4	45	23,0
	3x0,50	5,7	45	35,0
	4x0,50	6,2	70	45,0
	5x0,50	6,7	85	57,0
	6x0,50	7,3	100	68,0
	7x0,50	7,5	105	80,0
	8x0,50	8,1	115	85,0
	10x0,50	9,3	130	100,0
	12x0,50	9,6	156	112,0
	16x0,50	10,2	205	140,0
	24x0,50	13,4	298	190,0
	32x0,50	15,1	373	236,0
	50x0,50	18,4	552	370,0
	2x0,75	5,8	58	35,0
	3x0,75	6,2	70	46,0
	4x0,75	6,8	77	56,0
	5x0,75	7,5	110	70,0
	6x0,75	8,2	120	85,0