

## TECHNICAL DATA FOR CABLE LiYY and LiYY TP

### Cable construction

**Conductor:** Bare copper according to VDE 0295 cl.5

**Insulation:** Pvc compound type YI2 VDE 0207- 4

Section (mm <sup>2</sup> )	Diameter (mm)
0.14	1.00 ± 0.1
0.25	1.30 ± 0.1
0.34	1.50 ± 0.1
0.50	1.75 ± 0.1
0.75	2.00 ± 0.1

**Colour code:** TAB DIN 47100 (With colour repetition from 44 conductors)

**Pairs (if required)** Conductors twisted in pairs TAB DIN 47100

**Total Assembly:** Conductors twisted in layers + Talc

**Total Pairs Assembly (if required)** Pairs twisted in layers + Polyester tape

**Sheath:** Pvc compound Type TM2 VDE 207-5  
Colour code: Grey Ral 7032  
Overall diameter: See following table

**Marking :** Not required

### General properties

**Bending radius:** 15 x D (Static application)

**Temperature range:** -20°C +80 °C (Static application)

**Working voltage:** 300 V

**Test Voltage:** 1500 V

**Insulation resistance** 20 MΩ.Km min at 20°C

**Conductor resistance of conductors on finished cable**

Section (mm <sup>2</sup> )	Conductor resistance (Ω/Km max at 20°C)
0.14	138
0.25	78
0.34	56
0.50	39
0.75	26

**Summary Table LIYY**

<b>NEXANS code</b>	<b>Article</b>	<b>Description</b>	<b>Diameter approx (mm)</b>
B1014020032	010001	2 x 0.14	3.2
B1014030032	010002	3 x 0.14	3.4
B1014040032	010003	4 x 0.14	3.6
B1014060032	010005	6 x 0.14	4.4
B1014070032	010006	7 x 0.14	4.4
B1014080032	010007	8 x 0.14	4.7
B1014100032	010008	10 x 0.14	5.8
B1014120032	010009	12 x 0.14	5.8
B1014140032	010010	14 x 0.14	5.9
B1014160032	010012	16 x 0.14	6.3
B1014250032	010018	25 x 0.14	8.0
B1025020032	010050	2 x 0.25	4.2
B1025030032	010051	3 x 0.25	4.4
B1025040032	010052	4 x 0.25	4.7
B1025060032	010054	6 x 0.25	5.5
B1025070032	010055	7 x 0.25	5.5
B1025080032	010056	8 x 0.25	5.9
B1025100032	010057	10 x 0.25	7.0
B1025160032	010061	16 x 0.25	7.7
B1025250032	010066	25 x 0.25	10.0
B1025370032	010071-3	37 x 0.25	11.1
B1034020032	010100	2 x 0.34	4.7
B1034030032	010101	3 x 0.34	4.9
B1034040032	010102	4 x 0.34	5.3
B1034050032	010103	5 x 0.34	5.8
B1034070032	010105	7 x 0.34	6.4
B1034080032	010106	8 x 0.34	6.8
B1034100032	010108	10 x 0.34	8.0
B1034120032	010109	12 x 0.34	7.8
B1034160032	010111	16 x 0.34	8.6
B1034370032	010119-1	37 x 0.34	12.8
B1050020032	010150	2 x 0.50	5.1
B1050030032	010151	3 x 0.50	5.4
B1050040032	010152	4 x 0.50	5.8
B1050100032	010159	10 x 0.50	8.6
B1050250032	010163	25 x 0.50	13.0
B1075020032	010175	2 x 0.75	5.6
B1075030032	010176	3 x 0.75	5.9
B1075040032	010177	4 x 0.75	6.4
B1075060032	010179	6 x 0.75	7.6
B1075120032	010182	12 x 0.75	10.2

**Summary Table LIYY TP**

<b>NEXANS code</b>	<b>Article</b>	<b>Description</b>	<b>Diameter approx (mm)</b>
B2014020032	010430	2x2x0.14	4.7
B2014030032	010431	3x2x0.14	5.4
B2014040032	010432	4x2x0.14	5.7
B2014060032	010434	6x2x0.14	6.5
B2014100032	010437	10x2x0.14	7.7
B2014160032	010442	16x2x0.14	9.6
B2014250032	010446	25x2x0.14	11.4
B2025020032	010460	2x2x0.25	5.6
B2025030032	010461	3x2x0.25	6.4
B2025040032	010462	4x2x0.25	7.1
B2025060032	010464	6x2x0.25	8.4
B2025100032	010468	10x2x0.25	9.9
B2050020032	010480	2x2x0.50	7.6
B2075020032	010490	2x2x0.75	7.9
B2075030032	010483	3x2x0.75	9.1