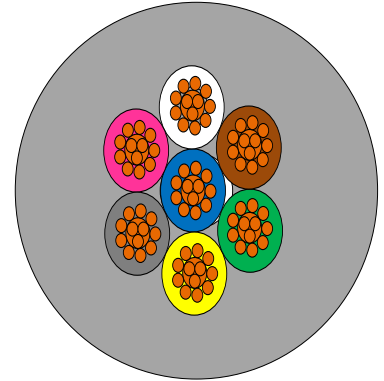


Data Transmission Cables
XTRONIC (LIYY)
(Acc. To VDE 0812)

APPLICATION

Special PVC Data and Control Cables LIYY adapted to DIN VDE 0812: These 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, this 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.


TECHNICAL CHARACTERISTICS

1 - Conductor	: IEC 60228/ DIN EN 60228/ EN 60228 Class 5 Stranded Electrolytic Plain Copper
2 - Insulation	: EN 50363-3 TI1 PVC Compound
3 - Insulation Colour	: Acc. To DIN 47100 (JB/OB) Black Insulated Cores With White Number Imprinted + Y/G (JZ/OZ)
4 - Stranding	: In Layers Of Optimum Pitch
5 - Sheath	: EN 50363-4-1 TM2 PVC Compound
6 - Sheath Colour	: RAL 7001 Grey
7 - Min. Bending Radius	: flexing 7,5 x cable Ø fixed installation 4 x cable Ø
8 - Operating Peak Voltage (not for heavy current installation purposes)	: 0,14 mm ² = 350V ≥0,25 mm ² = 500V
9 - Test Voltage	: up to 0,25 mm ² = 1200V from 0,34 mm ² = 2000V
10 - Breakdown Voltage	: up to 0,25 mm ² = 2400V from 0,34 mm ² = 4000V
11 - Capacitance (at 800 Hz)	: 0,14 mm ² approx. 120 pF/m 0,25 mm approx. 150 pF/m
12 - Inductance	: 0,67 mH/km
13 - Impedance	: approx. 78 Ohm
14 - Temperature Range	: -30°C ~+70°C(Fixed) , -5°C ~+70°C(Flexible)
15 - Flame Retardant Test	: IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2
16 - UV Resistant	: Yes

Properties

The materials used during manufacturing are cadmium-free, contain no silicone. Cable is flame retardant and with flexible cable design they can be used in places where flexibility is necessary.

NOTE

- Also available in paired version, see ERSE LIYY-TP.
- Screened analog type LIYCY & LIYCY-TP

Cross Section (mm²)	Overall Diameter (mm)	Approx. Copper Weight (kg/km)	Approx. Cable Weight (kg/km)	Product Code
2x0,75(OZ)	5,2±1,0	13	45	32017502315
3x0,75(JZ)	5,5±1,0	19	54	32017503315
4x0,75(JZ)	5,8±1,0	26	61	32017504301
5x0,75(JZ)	6,7±1,0	32	82	32017505315
7x0,75(JZ)	7,3±1,0	45	103	32017507315
12x0,75(JZ)	9,4±1,0	77	168	32017512315
18x0,75(JZ)	11,7±1,5	115	255	32017518315
25x0,75(JZ)	13,0±1,5	159	321	32017525301
2x1(OZ)	5,6±1,0	17	54	32010102315
3x1(JZ)	5,8±1,0	26	61	32010103301
5x1(JZ)	7,1±1,0	43	93	32010105301
12x1(JZ)	10,4±1,5	102	209	32010112315
25x1(JZ)	14,2±1,5	213	378	32010125301
3x1,5(JZ)	6,6±1,0	37	83	32011503315
4x1,5(JZ)	7,2±1,0	49	102	32011504315
7x1,5 (JZ)	8,7±1,0	86	161	32011507315
25x1,5(JZ)	16,1±1,5	304	542	32011525315
4x2,5(JZ)	8,5±1,0	81	153	32012504301
12x2,5(JZ)	14,0±1,5	243	415	32012512301