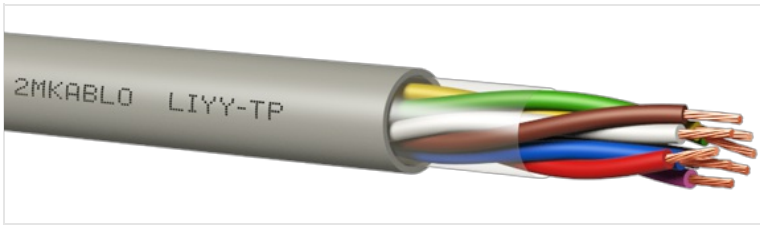
LIYY-TP



Areas of Use

These PVC cables are used in industrial applications for signal transmission. These can be easily used with their flexible construction in narrow applications like electronic control systems of computer or audio systems or communication sector, electronic circuits, measurement devices, machine design, office equipment, etc. These for indoor applications.

Cable Construction

Conductor	Stranded Annealed Copper (IEC/EN 60228, Class 5, 0.34 mm²: Class 2)
Insulation	PVC (EN 50290-2-21)
Lay-up	Cores are twisted as pairs and pairs are stranded in layers
Outer Sheath	PVC (EN 50290-2-22), RAL 7001 - Grey
Reference Standards	VDE 0812, TS 13755
Core Colors	DIN 47100 or Black-White and Numbered

Technical Properties

Operating Voltage	0.14 mm²..0.25 mm² 250 V; 0.34 mm²..1.50 mm² 300 V / 500 V; 2.50 mm²..... 450 V / 750 V
Test Voltage	0.14 mm² - 800 V; 0.22 mm² ....1.00 mm²- 1200 V; 1.50 mm²..... 2.50 mm² - 2500 V
Loop Resistance	0.14 mm²-≤276 Ω/km; 0.22 mm²-≤170 Ω/km; 0.25 mm²-≤155.6 Ω/km; 0.34 mm²-≤112 Ω/km; 0.50 mm²-≤78 Ω/km; 0.75 mm²-≤52 Ω/km; 1.00 mm²-≤39 Ω/km; 1.50 mm²-≤26.6 Ω/km
Insulation Resistance	>200 M.Ωxkm
Capacitance (@800Hz)	Core - Core: 0.14 mm²-≤80 nF/km; 0.22 mm²..0.34 mm²-≤100 nF/km; 0.50 mm²..0.75 mm²-≤110 nF/km; 1.00 mm²..1.50 mm²-≤120nF/km; 2.50 mm²- ≤140 nF/km
Indutance (approx.)	0.65 mH/km
Temperature Range	Fixed: -30 °C .....+70 °C, Flexible: -5 °C .....+70 °C
Flame Retardancy	IEC/EN 60332-1
Min. Bending Radius	Fixed: 8 x Cable Diameter, Flexible: 15 x Cable Diameter

Cross Section

Configuration / Cross-Section (mm/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
2x2x0.5	7.00	17	57
3x2x0.5	7.55	26	76
4x2x0.5	8.35	35	96
5x2x0.5	9.35	43	120
6x2x0.5	10.30	52	143
7x2x0.5	10.30	61	157
8x2x0.5	11.35	70	183

10x2x0.5	13.45	87	233
2x2x0.75	8.05	26	77
3x2x0.75	8.65	39	102
4x2x0.75	9.55	52	129
5x2x0.75	10.65	65	160
6x2x0.75	11.70	78	190
7x2x0.75	11.70	91	209
8x2x0.75	12.90	104	244
10x2x0.75	15.30	130	309
2x2x1	8.45	35	89
3x2x1	9.10	52	119
4x2x1	10.15	69	155
5x2x1	11.35	87	192
6x2x1	12.45	104	228
7x2x1	12.45	122	252
8x2x1	13.70	139	293
10x2x1	16.25	174	370
2x2x1.5	10.30	52	132
3x2x1.5	11.05	78	176
4x2x1.5	12.30	104	227
5x2x1.5	13.70	130	281
6x2x1.5	15.05	156	332
7x2x1.5	15.05	182	369
8x2x1.5	16.55	208	427
10x2x1.5	19.65	260	538

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