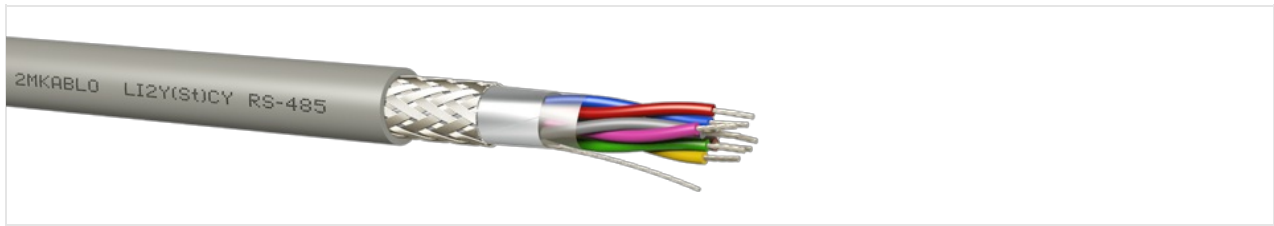


## LI2Y(St)CY (RS - 485)



### Areas of Use

Used in industrial automation systems for computer networks and electronic control systems for data transmission. Provides longer transmission lengths and larger data rates compared to RS 232-422.

### Cable Construction

<b>Conductor</b>	0.22 mm <sup>2</sup> Stranded Tinned Copper (7x0.20 mm AWG 24), 0.34 mm <sup>2</sup> Stranded Tinned Copper (7x0.25 mm AWG 22)
<b>Insulation</b>	PE (EN 50290-2-23, VDE 0207-2Y11)
<b>Lay-up</b>	Cores are twisted as pairs and pairs are stranded in layers
<b>Separator</b>	PET Foil
<b>1. Screen</b>	Al-PET Foil (with stranded tinned copper drain wire)
<b>2. Screen</b>	Tinned Copper Wire Braid
<b>Outer Sheath</b>	PVC (EN 50290-2-22 TM 51), RAL 7001 - Grey
<b>Core Colors</b>	DIN 47100

### Technical Properties

<b>Operating Voltage</b>	300 V
<b>Test Voltage</b>	1200 V
<b>Velocity of Propagation</b>	0,66
<b>Insulation Resistance</b>	>5000 M.Ωxkm
<b>Capacitance (@800Hz)</b>	Core - Core: ≤45 nF/km, Core - Cores - Screen: ≤80 nF/km
<b>Characteristic Impedance</b>	120±10 Ω
<b>Loop Resistance</b>	AWG 24: ≤182 Ω/km; AWG 22: ≤115 Ω/km; AWG 20: ≤72 Ω/km
<b>Temperature Range</b>	-30 °C.....+70 °C
<b>Flame Retardancy</b>	IEC/EN 60332-1
<b>Min. Bending Radius (Fixed)</b>	10 x Cable Diameter

### Cross Section

Configuration / Cross-Section (mm/mm <sup>2</sup> )	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
1x2x0.22	5.7	21	44
2x2x0.22	8.2	34	78
3x2x0.22	8.7	40	90
4x2x0.22	9.5	47	106
1x2x0.34	6.0	25	52
2x2x0.34	8.7	41	88
3x2x0.34	9.2	49	103

**17.06.2026 12:22**

**Legal Warning:** The information in this catalog is for marketing purposes. 2M Kablo can change this catalog during product development and any requirements. 2M Kablo can always change designs, technical specifications, images and other informations in this catalog without any notice. This catalog is only a guide and is valid at the time of download, not valid for an offer or contract.

If you need more information about the products in this catalog, please contact us via [info@2mkablo.com](mailto:info@2mkablo.com) or call +90 (212) 222 8250.