

## LI2Y(St)Y-PiMF (RS 232 - 422)



### Areas of Use

Used for transmission of the data signal in computer, information and communication systems as well as process control for computer systems and terminals.

### 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>Core Colors</b>	Pair 1: Black / Red Pair 2: Black / White Pair 3: Black / Green Pair 4: Black / Blue
<b>Separator</b>	PET Foil
<b>Individual Screen</b>	Al-PET Foil (with Stranded Tinned Copper Drain Wire)
<b>Lay-up</b>	All shielded pairs are stranded in layers
<b>Separator</b>	PET Foil
<b>Overall Screen</b>	Al-PET Foil (with Stranded Tinned Copper Drain Wire)
<b>Outer Sheath</b>	PVC (EN 50290-2-22 TM 51), RAL 7001 - Grey

### 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: ≤52 nF/km, Core - Cores - Screen: ≤90 nF/km
<b>Characteristic Impedance</b>	100±10 Ω
<b>Loop Resistance</b>	AWG 24: ≤182 Ω/km; AWG 22: ≤115 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)
2x2x0.22	8.2	15	30
3x2x0.22	8.8	21	42
4x2x0.22	9.6	27	54
2x2x0.34	9.0	19	36
3x2x0.34	9.5	28	51
4x2x0.34	10.5	37	66

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