

## LI2Y(St)YSWAY-PiMF (RS - 422)



### 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. Armouring layer provides mechanical strength and protects the cable core from outer mechanical effects.

### Cable Construction

Conductor	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)
Insulation	PE (EN 50290-2-23, VDE 0207-2Y11)
Separator	PET Foil
Individual Screen	Al-PET Foil (with Stranded Tinned Copper Drain Wire)
Lay-up	All shielded pairs are stranded in layers
Separator	PET Foil
Overall Screen	Al-PET Foil (with Stranded Tinned Copper Drain Wire)
Inner Sheath	PVC (EN 50290-2-22, TM1)
Armour	Round Galvanized Steel Wire (Min. Diameter 0.90 mm ±0.02 mm)
Outer Sheath	UV Resistant, Flame Retardant PVC (BS/EN 50290-2), RAL 9005 - Black
Core Colors	DIN 47100

### Technical Properties

Operating Voltage	300 V
Test Voltage	1200 V
Velocity of Propagation	0,66
Insulation Resistance	>5000 M.Ωxkm
Capacitance (@800Hz)	Core - Core: ≤52 nF/km, Core - Cores - Screen: ≤95 nF/km
Characteristic Impedance	100±10 Ω
Temperature Range	-30 °C.....+70 °C
Flame Retardancy	IEC/EN 60332-1
Min. Bending Radius (Fixed)	12 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)
2x2x0.50	12.2	25	348
2x2x0.75	12.9	35	379

19.04.2026 14:49

**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.