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 mm² Stranded Tinned Copper (7x0.20 mm AWG 24), 0.34 mm² Stranded Tinned Copper (7x0.25 mm AWG 22)
Insulation	PE (EN 50290-2-23, VDE 0207-2YI1)
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 Resisdant, 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/mm²)	Cable Diameter (mm) (± 5%)	Copper Weight (kg / km)	~ Cable Weight (kg / km)
2x2x0.50	12.2	25	348
2x2x0.75	12.9	35	379

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