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

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)
Core Colors	Pair 1: Black / Red Pair 2: Black / White Pair 3: Black / Green Pair 4: Black / Blue
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)
Outer Sheath	PVC (EN 50290-2-22 TM 51), RAL 7001 - Grey

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: ≤90 nF/km
Characteristic Impedance	100±10 Ω
Loop Resistance	AWG 24: ≤182 Ω/km; AWG 22: ≤115 Ω/km
Temperature Range	-30 °C.....+70 °C
Flame Retardancy	IEC/EN 60332-1
Min. Bending Radius (Fixed)	10 x Cable Diameter

Cross Section

Configuration / Cross-Section (mm/mm²)	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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