

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 ² Stranded Tinned Copper (7x0.20 mm AWG 24), 0.34 mm ² 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 |

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