



DESCRIPTION :

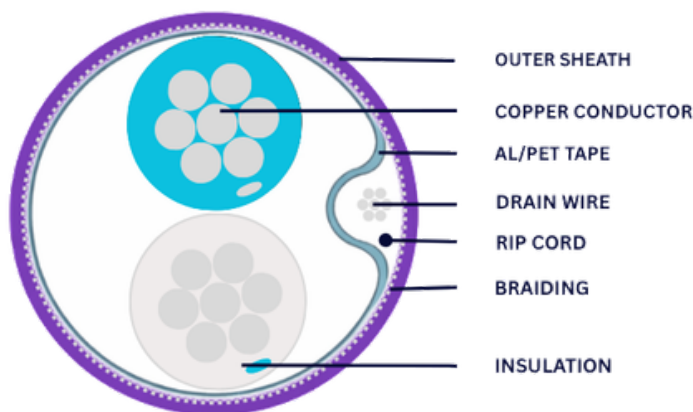
1 Pair 18 AWG Shielded RS-485 Communication Cable, Stranded Tinned copper conductors with LSZH insulation, Overall braided shield, Stable signal transmission, EMI protection for indoor control & Industrial automation systems.

APPLICATION :

Suitable for RS-485, BACnet, Modbus RTU, and DMX control systems, Panel wiring, BMS & Industrial automation.

CONSTRUCTION :

Cores	1-Pair (2 Cores)
Section	18 AWG
Conductor Material	Stranded Tinned Copper (TC)
Insulation	Polyethylene (PE)
Colour	White/Blue, Blue/ White
Pair	2 Cores twisted to a Pair
Braiding	Tinned Copper wire
Screen (100% Coverage)	Aluminium/Polyester
Drain wire	Stranded Tinned Copper Wire
Rip Cord	Nylon Yarn
Sheath materials	Low Smoke Zero Halogen (LSZH/ FRNC)
Sheath colour	Purple (RAL 4005)
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-25°C to +75°C
Nominal Cable Weight (kg/km)	80
Nominal Insulation Thickness (mm)	0.1
Nominal Sheath Thickness (mm)	0.9
Nominal Overall Diameter (mm)	8.9
Min. Bend Radius (install) (mm)	89
Max. Pull Tension (N)	349

TECHNICAL DATA & STANDARD REFERENCES

(BS) EN 50290-2
UL 1685
IEC 60228, IEC 60332-3-24, IEC 61034
IEC 60754-1 & 2
RoHS Directives

ELECTRICAL CHARACTERISTICS :

Capacitance Cond. To Cond	33 pF/m
Capacitance Cond. To Screen.	69 pF/m
DC Resistance Conductor (Ω/km)	22.8Ω/km
DC Resistance Screen (Ω/km)	20Ω/km
Nominal Impedance (Ω)	119
Max. Recommended Current @25°C	5 (Amps)
Nom. Velocity of Propagation	67 (%)
Operating Voltage	300 V (Vrms)

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