



DESCRIPTION :

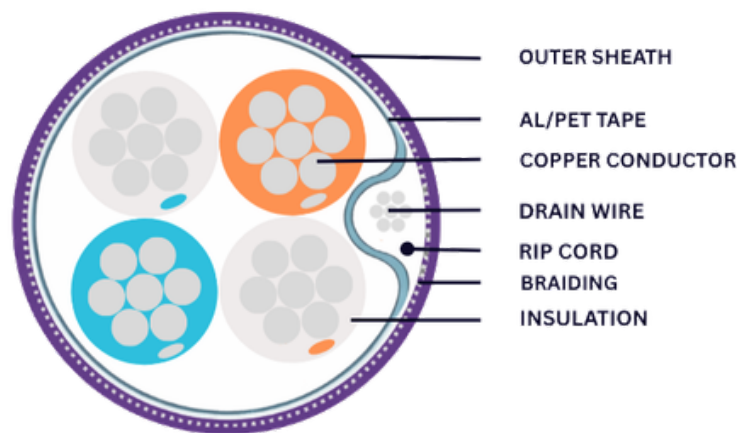
2 Pair, 18 AWG RS-485 cable with LSZH/HFFR insulation and overall braided shield, providing reliable data transmission, excellent noise immunity, and stable signal performance in low-voltage control and communication systems.

APPLICATION :

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

CONSTRUCTION :

Cores	2-Pair (4 Cores)
Section	24AWG
Conductor Material	Stranded Tinned Copper (TC)
Insulation	Polyethylene (PE)
Colour	White/Blue, Blue/ White, White/Orange, Orange/White
Lay Up	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	RAL 4005 (Purple)
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-25°C to +75°C
Nominal Cable Weight (kg/km)	127
Nominal Insulation Thickness (mm)	0.95
Nominal Sheath Thickness (mm)	0.8
Coverage braid (%)	66
Nominal Overall Diameter (mm)	11
Min. Bend Radius (install) (mm)	114
Max. Pull Tension (N)	459

TECHNICAL DATA & STANDARD REFERENCES

IEC 60228
EN 50290-2
IEC 60332-1, IEC 60754-1/2, IEC 61034-2
UL 1685
RoHS Directives

ELECTRICAL CHARACTERISTICS

Capacitance Cond. To Cond.	34pF/m
Capacitance Cond. To Screen.	66pF/m
DC Resistance Conductor (Ω/km)	27.8Ω/km
DC Resistance Screen (Ω/km)	19Ω/km
Nominal Impedance (Ω)	119
Nom. Velocity of Propagation (%)	65
Max. Recommended Current at 25°C	4 (Amps)
Inductance	0.5 μH/m
Operating Voltage	300 V (Vrms)

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