



DESCRIPTION :

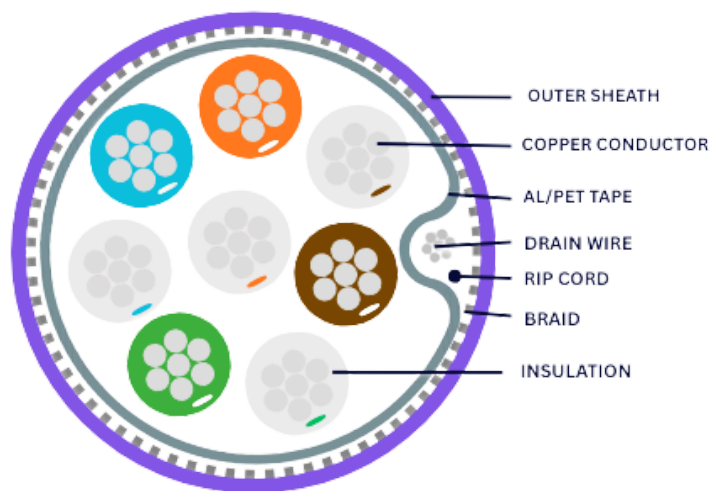
4 Pair, 22 AWG RS-485 cable with LSZH/HFFR insulation and overall braided shield, providing reliable data transmission, excellent noise immunity, and stable signal performance in low-voltage control and communication systems.

APPLICATION :

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

CONSTRUCTION :

Cores	4-Pair (8 Cores)
Section	22AWG
Conductor Material	Stranded Tinned Copper (TC)
Insulation	Polyethylene (PE)
Colour	White/Blue, Blue/ White, White/Orange, Orange/White White/Green, Green/White White/Brown, Brown/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)	120
Nominal Insulation Thickness (mm)	0.5
Nominal Sheath Thickness (mm)	0.7
Coverage braid (%)	64
Nominal Overall Diameter (mm)	10.4
Min. Bend Radius (install) (mm)	106
Max. Pull Tension (N)	443

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.	37pF/m
Capacitance Cond. To Screen.	68pF/m
DC Resistance Conductor (Ω/km)	57.8Ω/km
DC Resistance Screen (Ω/km)	19Ω/km
Nominal Impedance (Ω)	119
Max. Recommended Current at 25°C	2.8 (Amps)
Nominal Attenuation @1 MHz(dB/100m)	2.07
Operating Voltage	300 V (Vrms)

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