



Ref No: BCS19842

DESCRIPTION :

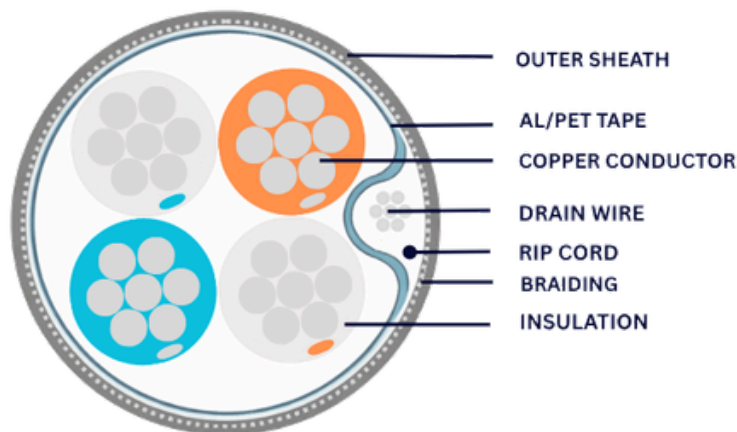
2 Pair, 24 AWG RS-485 cable with PE insulation and overall braided shield, providing reliable data transmission, excellent noise immunity, and stable signal performance in low-voltage control and communication systems.

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	24 AWG
Conductor Material	Stranded Tinned Copper (TC)
Insulation	Polyethylene (PE)
Colour	White/Blue, Blue/ White, White/Orange, Orange/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	Flame-Retardant Polyvinyl Chloride (PVC)
Sheath colour	Grey (RAL 7001)
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-25°C to +75°C
Nominal Cable Weight (kg/km)	75
Nominal Insulation Thickness (mm)	0.57
Nominal Sheath Thickness (mm)	0.9
Nominal Overall Diameter (mm)	8.22
Min. Bend Radius (install) (mm)	84
Max. Pull Tension (N)	383

TECHNICAL DATA & STANDARD REFERENCES

(BS) EN 50290-2
UL 1581
IEC 60332-1-2, IEC 60332-1-3
IEC 60228
RoHS Directives

ELECTRICAL CHARACTERISTICS

Capacitance Cond. To Cond	40 pF/m
Capacitance Cond. To Screen.	88 pF/m
DC Resistance per core @ 20°C	86Ω/km
Max. Recommended Current @25°C	2.3
Nominal Impedance (Ω)	122
Nom. Velocity of Propagation	67(%)
Operating Voltage	300 V (Vrms)

BELFAST ACCREDITED BY :

