



Ref No: BCS13109A

DESCRIPTION :

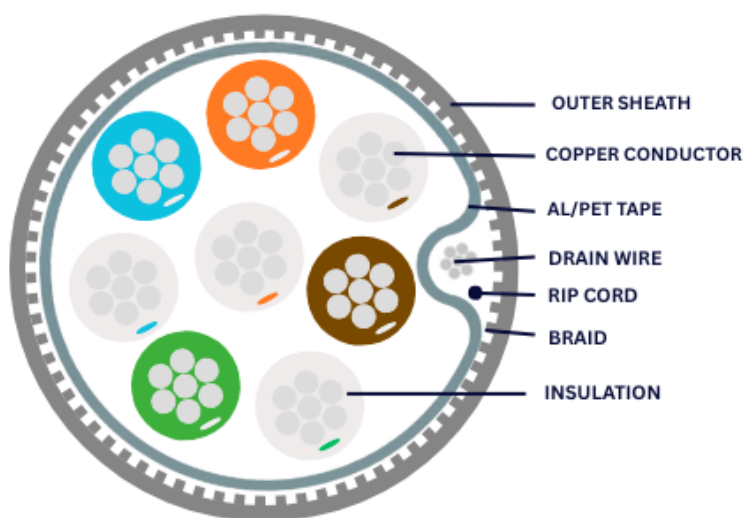
4 Pair, 22 AWG RS-485 cable with PE insulation and overall braided shield, providing reliable data transmission, excellent noise immunity, and stable signal performance in low-voltage control and communication systems.

APPLICATION :

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

CONSTRUCTION :

Cores	4 Pair (8-Cores)
Section	22 AWG
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
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)	118
Nominal Insulation Thickness (mm)	0.55
Nominal Sheath Thickness (mm)	0.9
Nominal Overall Diameter (mm)	10.3
Min. Bend Radius (install) (mm)	103
Max. Pull Tension (N)	444

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	37 pF/m
Capacitance Cond. To Screen.	68 pF/m
DC Resistance per core @ 20°C	57.8Ω/km
Max. Recommended Current @25°C	2.3 (Amps)
Nominal Impedance (Ω)	119
Nom. Velocity of Propagation	67(%)
Operating Voltage	300 V (Vrms)

BELFAST ACCREDITED BY :

