



Ref No: BCS19842NH

DESCRIPTION :

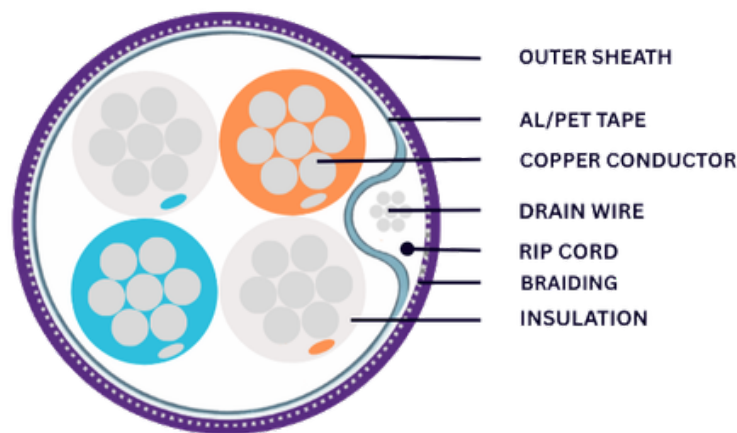
2 Pair, 24 AWG RS-485 cable with LSZH/HFFR insulation and overall braided shield, providing reliable data transmission, excellent noise immunity, and stable signal performance in low-voltage control and communication systems.

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)	77
Nominal Insulation Thickness (mm)	0.5
Nominal Sheath Thickness (mm)	0.7
Coverage braid (%)	92
Nominal Overall Diameter (mm)	8.0
Min. Bend Radius (install) (mm)	80
Max. Pull Tension (N)	384

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.	42pF/m
Capacitance Cond. To Screen.	86pF/m
DC Resistance Conductor (Ω /km)	89 Ω /km
DC Resistance Screen (Ω /km)	16 Ω /km
Nominal Impedance (Ω)	122
Nom. Velocity of Propagation (%)	65
Max. Recommended Current at 25°C	2.3 (Amps)
Inductance	0.5 μ H/m
Operating Voltage	300 V (Vrms)

BELFAST ACCREDITED BY :



www.belfastcables.co.uk | info@belfastcables.co.uk

Belfast Cables UK Solutions Ltd | 71-75, Shelton Street Covent Garden, London WC2H 9JQ, United Kingdom

Disclaimer: Information is believed to be accurate but may contain errors. Specifications may change without notice.



COMPANY PROFILE