



DESCRIPTION

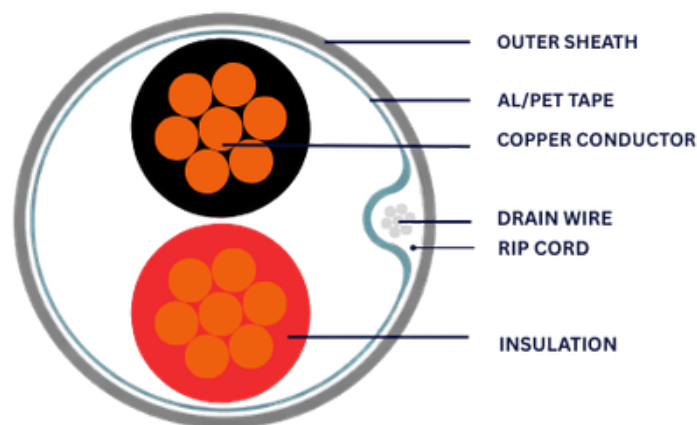
2 Core, 16 AWG Multi Conductor cable with Stranded Bare Copper (BC) conductors, PE insulation, Overall Shielded, PVC sheath for consistent performance, signal integrity, and EMI protection.

APPLICATION

Multi-conductor cable suitable for building management systems (BMS), instrumentation, security, and audio control/sound system applications.

CONSTRUCTION

Cores	2 Cores
Section	16 AWG
Conductor Material	Stranded Bare Copper (BC)
Diameter Conductor	1.4mm
Insulation	Polyethylene (PE)
Colour	Black, Red
Cabling	Cores laid by twisting
Screen (100% Coverage)	Aluminium/ Polyester
Drain Wire	Stranded Tinned Copper Wire
Rip Cord	Nylon Yarn
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC)
Sheath Color	RAL 7001 (Grey)
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-25°C to +75°C
Nominal Cable Weight (kg/km)	40
Nominal Insulation Thickness (mm)	0.4
Nominal Sheath Thickness (mm)	0.60
Nominal Overall Diameter (mm)	5.12
Min. Bend Radius (install) (mm)	48
Max. Pull Tension (N)	260

ELECTRICAL CHARACTERISTICS

Capacitance Cond. To Cond	102 pF/m
Capacitance Cond. To Screen.	184 pF/m
DC Resistance per core @ 20°C	15.48 Ω/km
Insulation Resistance	100 MΩ/km (min)
DC Loop Resistance	74.5 Ω/km
Inductance	0.78 μH/m
Operating Voltage	300 V (Vrms)

TECHNICAL DATA & STANDARD REFERENCES

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

BELFAST ACCREDITED BY:

