



BCS13161

DESCRIPTION :

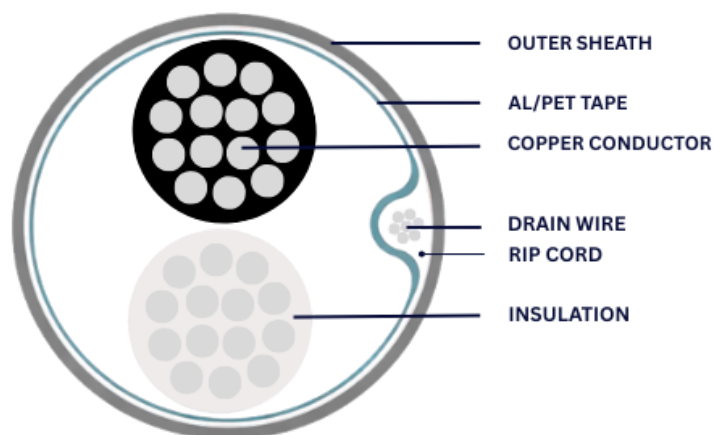
1 Pair 16AWG stranded Tinned copper conductors with PVC insulation, Shielded and stable signal transmission, reduced electromagnetic interference, reliable performance for both residential and commercial installations.

APPLICATION :

Single Pair PVC Shielded Cables Suitable for Instrumentation, BMS , Control, Security & Audio Cables

CONSTRUCTION :

Cores	1-Pair
Section	16 AWG
Conductor Material	Stranded Tinned Copper (TC)
Insulation	Polyethylene - PE
Pair	2 Cores twisted to a pair
Colour	Black, White
Screen (100% Coverage)	Aluminium/Polyester
Drain Wire	Stranded Tinned Copper Wire
Rip Cord	Nylon Yarn
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC)
Sheath Color	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)	64
Insulation Diameter (mm)	3.5
Nominal Sheath Thickness (mm)	0.7
Nominal Insulation Thickness (mm)	0.7
Nominal Overall Diameter (mm)	8.0
Min. Bend Radius (install) (mm)	80
Max. Pull Tension (N)	269

TECHNICAL DATA & STANDARD REFERENCES

(BS) EN 50290-2
IEC 60754-1 & 2, IEC 60228
IEC 61034, IEC 60332-3-24
UL 1685
RoHS Directives

ELECTRICAL CHARACTERISTICS

Capacitance Cond. To Cond.	75pF/m
Capacitance Cond. To Screen.	119pF/m
DC Resistance Conductor (Ω/km)	14.8Ω/km
DC Resistance Screen (Ω/km)	78.6Ω/km
Nominal Inductance	0.5 (μH/m)
Recommended Current at 25°C	9.5 (Amps)
Operating Voltage	600 V (Vrms)

BELFAST ACCREDITED BY :

