

BCS15003FE

DESCRIPTION :

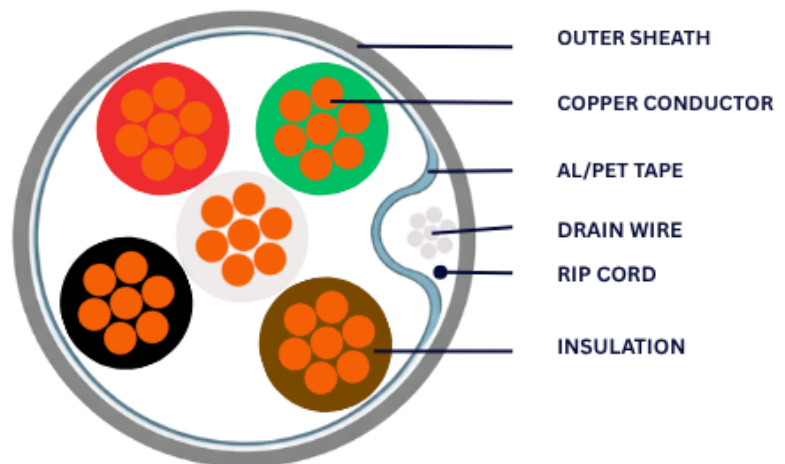
5 Core, 12 AWG Multi Conductor cable with Stranded Bare Copper (BC) conductors, PE insulation, Overall Shielded, PVC sheath for consistent performance, signal integrity, and EMI protection.

APPLICATION :

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

CONSTRUCTION :

Cores	5 Core
Section	12AWG
Conductor Material	Stranded Bare Copper (BC)
Insulation	Polyethylene (PE)
Colour	Black, Red, White, Green Brown,
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	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)	184
Nominal Insulation Thickness (mm)	0.4
Nominal Sheath Thickness (mm)	0.48
Nominal Overall Diameter (mm)	9.2
Min. Bend Radius (install) (mm)	92
Max. Pull Tension (N)	1692

TECHNICAL DATA & STANDARD REFERENCES

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

ELECTRICAL CHARACTERISTICS

Capacitance Cond. To Cond.	102 pF/m
Capacitance Cond. To Screen.	179 pF/m
DC Resistance per core @ 20°C	5.63Ω/km
Max. DC Resistance Screen (Ω/km)	78.6
Max. Recommended Current @25°C	8.6 (Amps)
Inductance	0.5 μH/m
Operating Voltage	300 V (Vrms)

BELFAST ACCREDITED BY :

