

Ref No: BCS14301FE

DESCRIPTION :

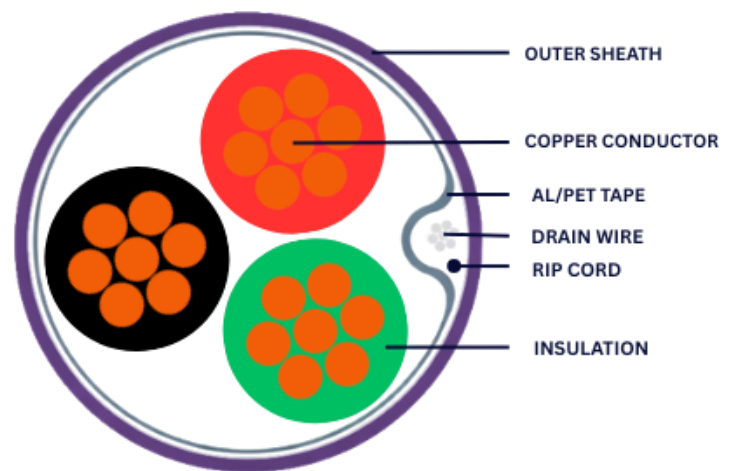
3 Core, 18 AWG multi-conductor cable with Stranded Bare Copper conductors, PE insulation, and overall shielding, LSZH/HFFR sheath for enhanced fire safety, low smoke, and zero halogen emissions.

APPLICATION :

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

CONSTRUCTION :

Cores	3 Core
Section	18 AWG
Conductor Material	Stranded Bare Copper (BC)
Insulation	Polyethylene (PE)
Colour	Black, Red, White
Cabling	Cores Laid By Twisting
Screen (100% Coverage)	Aluminium/Polyester
Drain Wire	Stranded Tinned Copper Wire
Rip Cord	Nylon Yarn
Sheath Material	Flame-Retardant Low Smoke, Halogen Free - LSZH (FRNC)
Sheath Color	Purple RAL 4005
Standard Put Up Length	305, 500 meters



PHYSICAL & MECHANICAL CHARACTERISTICS

Operating Temperature (°C)	-25°C to +75°C
Nominal Cable Weight (kg/km)	49
Nominal Sheath Thickness (mm)	0.52
Nominal Insulation Thickness (mm)	0.22
Nominal Overall Diameter (mm)	4.8
Min. Bend Radius (install) (mm)	48
Max. Pull Tension (N)	300

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.	89pF/m
Capacitance Cond. To Screen.	169pF/m
DC Resistance Conductor (Ω/km)	22.8Ω/km
DC Resistance Screen (Ω/km)	78.6Ω/km
Min. Copper Conductivity	58.8 (Ms/m)
Recommended Current at 25°C	5.0 (Amps)
Nominal Inductance	0.5 (μH/m)
Operating Voltage	300 V (Vrms)

BELFAST ACCREDITED BY :



COMPANY PROFILE