



BCS45010FE

DESCRIPTION :

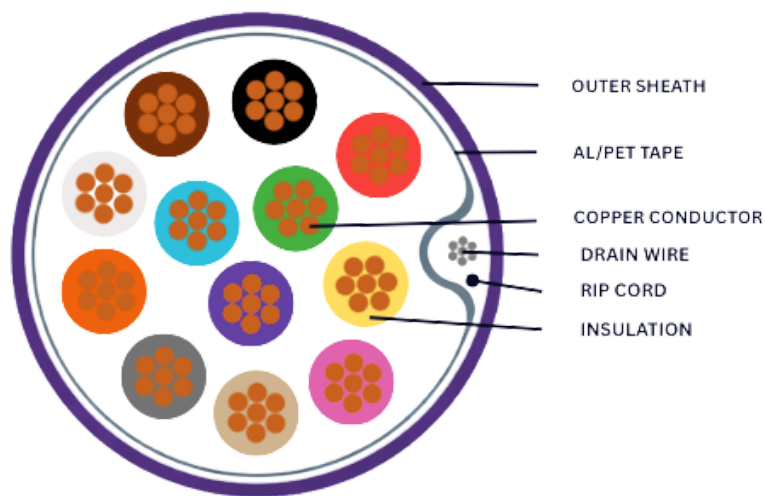
12 Core, 22 AWG multi-conductor cable with Stranded Bare Copper conductors, PE insulation, and overall shielding, LSZH/HFFR sheath for enhanced fire safety, low smoke, and zero halogen emissions.

APPLICATION :

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

CONSTRUCTION :

Cores	12 Core
Section	22AWG
Conductor Material	Stranded Bare Copper (BC)
Insulation	Polyethylene (PE)
Colour	Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Grey, Pink, Tan
Cabling	Cores laid by twisting
Screen (100% Coverage)	Aluminium/Polyester
Drain Wire	Stranded Tinned Copper Wire
Rip Cord	Nylon Yarn
Sheath Material	Low Smoke Zero Halogen (LSZH/ FRNC)
Sheath Color	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)	82
Nominal Insulation Thickness (mm)	0.25
Nominal Sheath Thickness (mm)	0.50
Nominal Overall Diameter (mm)	6.3
Min. Bend Radius (install) (mm)	63
Max. Pull Tension (N)	300

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.	62pF/m
Capacitance Cond. To Screen.	112 pF/m
DC Resistance Conductor (Ω/km)	57.8Ω/km
DC Resistance Screen (Ω/km)	78.6Ω/km
Max. Recommended Current at 25°C	2.0 (Amps)
Inductance	0.5 μH/m
Operating Voltage	300 V (Vrms)

BELFAST ACCREDITED BY :



COMPANY PROFILE