



BCS4506FE

DESCRIPTION :

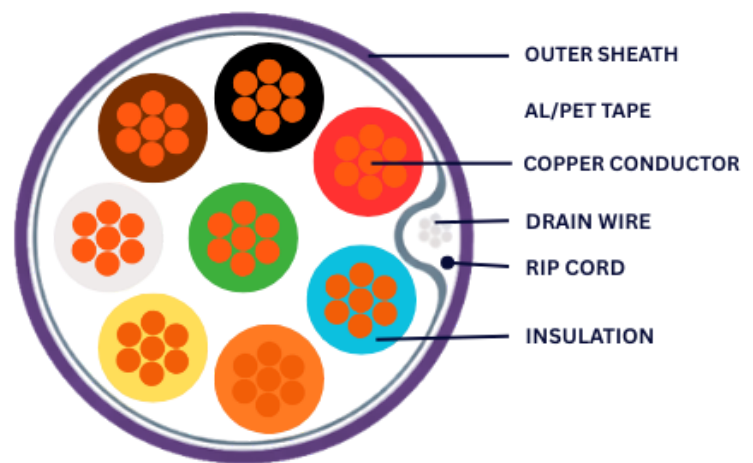
8 Core, 22 AWG multi-conductor cable with Stranded Bare Copper conductors, PE insulation, and overall shielding, LSZH/HFFR sheath for enhanced fire safety, low smoke, and zero halogen emissions.

APPLICATION :

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

CONSTRUCTION :

Cores	8 Core
Section	22AWG
Conductor Material	Stranded Bare Copper (BC)
Insulation	Polyethylene (PE)
Colour	Black, Red, White, Green, Brown Blue, Orange, Yellow
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)	52
Nominal Insulation Thickness (mm)	0.25
Nominal Sheath Thickness (mm)	0.50
Nominal Overall Diameter (mm)	5.3
Min. Bend Radius (install) (mm)	53
Max. Pull Tension (N)	200

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