



BCS4303UE

#### DESCRIPTION :

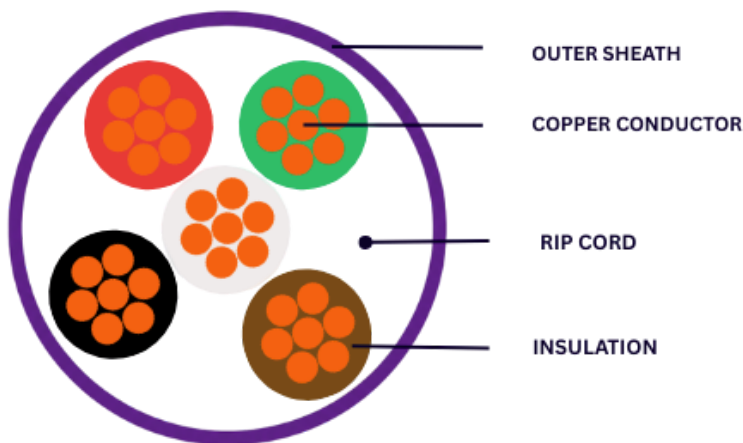
5 Core, 18 AWG multi-conductor cable with Stranded Bare Copper conductors, PE insulation, and Unshielded, LSZH/HFFR sheath for enhanced fire safety, low smoke, and zero halogen emissions.

#### APPLICATION :

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

#### CONSTRUCTION :

|                        |                                     |
|------------------------|-------------------------------------|
| Cores                  | 5 Core                              |
| Section                | 18AWG                               |
| Conductor Material     | Stranded Bare Copper (BC)           |
| Insulation             | Polyethylene (PE)                   |
| Colour                 | Black, Red, White, Green, Brown     |
| Cabling                | Cores laid by twisting              |
| 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)      | 68             |
| Nominal Insulation Thickness (mm) | 0.25           |
| Nominal Sheath Thickness (mm)     | 0.50           |
| Nominal Overall Diameter (mm)     | 5.6            |
| Min. Bend Radius (install) (mm)   | 56             |
| Max. Pull Tension (N)             | 500            |

#### ELECTRICAL CHARACTERISTICS

|                                  |              |
|----------------------------------|--------------|
| Capacitance Cond. To Cond.       | 46pF/m       |
| DC Resistance Conductor (Ω/km)   | 22.8Ω/km     |
| Max. Recommended Current at 25°C | 3.8 (Amps)   |
| Inductance                       | 0.5 μH/m     |
| Operating Voltage                | 300 V (Vrms) |

#### TECHNICAL DATA & STANDARD REFERENCES

|                                         |
|-----------------------------------------|
| IEC 60228                               |
| EN 50290-2                              |
| IEC 60332-1, IEC 60754-1/2, IEC 61034-2 |
| UL 1685                                 |
| RoHS Directives                         |

#### BELFAST ACCREDITED BY :

