



BCS15305FE

## DESCRIPTION :

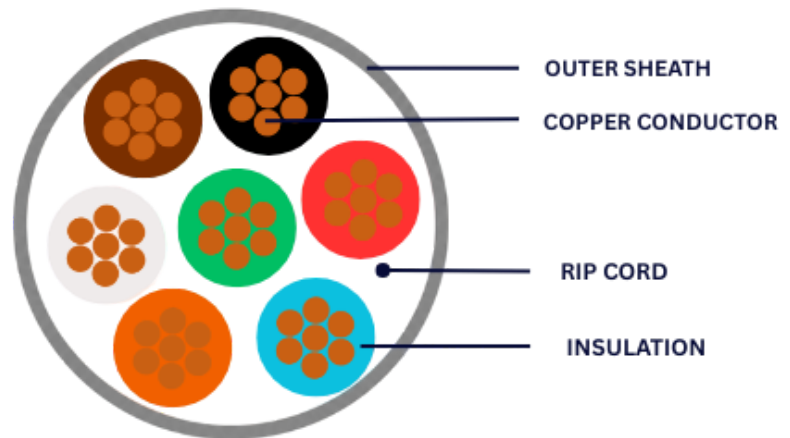
7 Core, 18 AWG Multi-Conductor Cable with Stranded Bare Copper (BC) Conductors, PE Insulation, Unshielded Construction, and PVC Sheath, ensuring stable performance and signal integrity.

## APPLICATION :

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

## CONSTRUCTION :

|                        |                                               |
|------------------------|-----------------------------------------------|
| Cores                  | 7 Core                                        |
| Section                | 18AWG                                         |
| Conductor Material     | Stranded Bare Copper (BC)                     |
| Insulation             | Polyethylene (PE)                             |
| Colour                 | Black, Red, White, Green, Brown, Blue, Orange |
| Cabling                | Cores laid by twisting                        |
| Rip Cord               | Nylon Yarn                                    |
| Sheath Material        | Flame-Retardant Polyvinyl Chloride (PVC)      |
| Sheath Color           | RAL 7001 (Grey)                               |
| Standard Put Up Length | 305, 500 meters                               |



## PHYSICAL & MECHANICAL CHARACTERISTICS

|                                   |                |
|-----------------------------------|----------------|
| Operating Temperature (°C)        | -25°C to +75°C |
| Nominal Cable Weight (kg/km)      | 78             |
| Nominal Insulation Thickness (mm) | 0.3            |
| Nominal Sheath Thickness (mm)     | 0.5            |
| Nominal Overall Diameter (mm)     | 6.0            |
| Min. Bend Radius (install) (mm)   | 60             |
| Max. Pull Tension (N)             | 699            |

## ELECTRICAL CHARACTERISTICS

|                                  |              |
|----------------------------------|--------------|
| Capacitance Cond. To Cond.       | 49pF/m       |
| DC Resistance per core @ 20°C    | 22.8Ω/km     |
| Max. Recommended Current at 25°C | 3.7 (Amps)   |
| Inductance                       | 0.5 μH/m     |
| Operating Voltage                | 300 V (Vrms) |

## TECHNICAL DATA & STANDARD REFERENCES

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

## BELFAST ACCREDITED BY:



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Disclaimer: Information is believed to be accurate but may contain errors. Specifications may change without notice.



COMPANY PROFILE