



Product: [4300FE](#)

Security & Sound, 2 Conductor 18 AWG BC, LSZH, Shielded, Eca

Product Description

Security & Commercial Audio Cable, 2-18 AWG stranded bare copper conductors with polypropylene insulation, Beldfoil® shield, LSZH jacket with ripcord, CPR Eca

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Intercom/PA Systems, Sound/Audio Systems |
|------------------------|--|

Construction Details

Conductor

| Size | Stranding | Material |
|------|-----------|------------------|
| 18 | 7x26 | BC - Bare Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------------|--------------------|--------------------------|------------|
| PP - Polypropylene | 0.2 mm (0.0079 in) | 1.5 mm (0.059 in) | Black, Red |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|-------------------|--------------------|---------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.4 mm (0.016 in) | 4.15 mm (0.163 in) | Yes |

| | |
|-----------------------------------|-------------------------------|
| Table Notes: | Ripcord provided under sheath |
| Overall Cable Diameter (Nominal): | 4.15 mm (0.163 in) |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|-------------------------------|-------------------------------|---|------------------------|
| 21.3 Ohm/km (6.49 Ohm/1000ft) | 158 pF/m (48.2 pF/ft) | 295 pF/m (89.9 pF/ft) | 3.5 Amps per Conductor |

Voltage

| Voltage Rating |
|----------------|
| 300 V |

Mechanical Characteristics

Temperature

| Operating | Installation | Storage |
|----------------|----------------|----------------|
| -20°C To +70°C | -20°C To +70°C | -30°C To +70°C |

Bend Radius

Installation Min.

41.5 mm (1.63 in)

Max. Pull Tension: 90 N (20 lbf)

Standards and Compliance

| | |
|----------------------------------|--|
| Environmental Suitability: | Indoor - Euroclass Eca, Non-Halogenated |
| Flammability / Reaction to Fire: | IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca; CPR UKCA Class: Eca |
| ISO/IEC Compliance: | IEC 61034-2 - Smoke Density Min Transmittance = 60% |
| CENELEC Compliance: | EN 50290-2-20 |
| European Halogen Free Standards: | IEC 62821-1 Halogen Free Compliance = Yes, IEC 60754-1 - Halogen Amount = Zero, IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 2.5 µS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3 |
| European Directive Compliance: | EU Directive 2011/65/EU (RoHS 2) |
| UK Regulation Compliance: | UKCA Mark |

History

Update and Revision: Revision Number: 0.455 Revision Date: 02-15-2024

Part Numbers**Variants**

| Item # | Color | Putup Type | Length | EAN |
|--------------|----------------|------------|--------|---------------|
| 4300FE.00100 | Gray, RAL 7032 | Reel | 100 m | 8719605006486 |
| 4300FE.00500 | Gray, RAL 7032 | Reel | 500 m | 8719605006493 |

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