



Product: [4341FE](#)

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

Product Description

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

Technical Specifications

Product Overview

| | |
|------------------------|-------------------------|
| Suitable Applications: | Commercial applications |
|------------------------|-------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Pairs |
|-----|-----------|------------------|------------------|--------------|
| 18 | 7x26 | BC - Bare Copper | 1.22 mm | 2 |

| | |
|------------------------|---|
| Conductor Count: | 4 |
| Total Number of Pairs: | 2 |

Insulation

| Type | Material | Nominal Diameter | Diameter +/- Tolerance | Nominal Wall Thickness |
|------------|-------------------|------------------|------------------------|------------------------|
| Insulation | PE - Polyethylene | 1.5 mm | 0.05 mm | 0.2 mm |

Color Chart

| Number | Color |
|--------|---------------|
| Pair 1 | Black & Red |
| Pair 2 | Black & White |

Outer Shield

| Type | Material | Material Trade Name | Coverage [%] | Thickness of Foil | Drainwire Material | Drainwire AWG |
|------|-------------------------|---------------------|--------------|-------------------|--------------------|---------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil® | 100% | 9 µm | TC - Tinned Copper | AWG24/7 |

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---|------------------|------------------------|---------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 6.35 mm | 0.4 mm | Yes |

| | |
|--------------|-------------------------------|
| Table Notes: | Ripcord provided under sheath |
|--------------|-------------------------------|

Construction and Dimensions

Cabling

| Description |
|-----------------|
| 2 pairs twisted |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 21.3 Ohm/km | 22.6 Ohm/km |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 125 pF/m | 224 pF/m |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 4 A |

Voltage

| Voltage Rating [V] |
|--------------------|
| 300 V |

Temperature Range

| | |
|---------------------------------|----------------|
| Installation Temperature Range: | -20°C To +70°C |
| Storage Temperature Range: | -30°C to +70°C |
| Operating Temperature Range: | -20°C To +70°C |

Mechanical Characteristics

| | |
|---------------------------------------|----------|
| Max. Pull Tension: | 160 N |
| Min. Bend Radius During Installation: | 63.5 mm |
| Min Setting Radius: | 31.75 mm |

Standards

| | |
|----------------|-----|
| CPR Euroclass: | Eca |
|----------------|-----|

Applicable Environmental and Other Programs

| | |
|----------------------|------------------------|
| Environmental Space: | Indoor - Euroclass Eca |
|----------------------|------------------------|

Flammability, LS0H, Toxicity Testing

| | |
|--|---------------|
| IEC Flammability: | IEC 60332-1-2 |
| 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 |
| IEC 61034-2 - Smoke Density Min. Transmittance: | 60% |

Related Part Numbers

Variants

| Item # | Color | Put-Up Type | Length | EAN |
|--------------|-------|-------------|--------|---------------|
| 4341FE.00500 | Gray | Reel | 500 m | 8719605006813 |

History

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| Update and Revision: | Revision Number: 0.271 Revision Date: 06-28-2024 |
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