



Product: [4401FLW](#)

Security & Sound, 3 Conductor 20 AWG BC, LSZH, Cca

Product Description

Security & Commercial Audio Cable, 3-20 AWG stranded bare copper conductors with LSZH insulation, LSZH jacket with ripcord, CPR Cca

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|------------------|------------------|-------------------|
| 20 | 7x28 | BC - Bare Copper | 0.95 mm | 3 |

| | |
|------------------|---|
| Conductor Count: | 3 |
|------------------|---|

Insulation

| Material | Nominal Diameter | Diameter +/- Tolerance | Nominal Wall Thickness |
|---|------------------|------------------------|------------------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 1.60 mm | 0.05 mm | 0.4 mm |

Outer Shield

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

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---|------------------|------------------------|---------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 6.0 mm | 1.2 mm | Yes |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 34 Ohm/km | 37 Ohm/km |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 110 pF/m | 200 pF/m |

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: | 90 N |
| Min. Bend Radius During Installation: | 60 mm |
| Min Setting Radius: | 30 mm |

Standards

| | |
|----------------|--------------|
| CPR Euroclass: | Cca-s1,d1,a1 |
|----------------|--------------|

Applicable Environmental and Other Programs

| | |
|----------------------|------------------------|
| Environmental Space: | Indoor - Euroclass Cca |
|----------------------|------------------------|

Flammability, LSOH, Toxicity Testing

| | |
|--|---------------|
| IEC Flammability: | IEC 60332-1-2 |
| 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 # |
|---------------|
| 4401FLW.00500 |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.15 Revision Date: 06-13-2024 |
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