



Product: [4342ULW](#) 

Security & Sound, 3 Pairs 18 AWG BC, LSZH, Cca

Product Description

Security & Commercial Audio Cable, 3-18 AWG stranded bare copper pairs with FRNC insulation, LSZH jacket with ripcord, CPR Cca

Technical Specifications

Product Overview

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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Pairs |
|-----|-----------|------------------|------------------|--------------|
| 18 | 7x26 | BC - Bare Copper | 1.22 mm | 3 |

| | |
|------------------------|---|
| Conductor Count: | 6 |
| Total Number of Pairs: | 3 |

Insulation

| Type | Material | Nominal Diameter | Diameter +/- Tolerance | Nominal Wall Thickness |
|------------|---|------------------|------------------------|------------------------|
| Insulation | LSZH - Low Smoke Zero Halogen (Flame Retardant) | 1.72 mm | 0.05 mm | 0.26 mm |

Color Chart

| Number | Color |
|--------|---------------|
| Pair 1 | Black & Red |
| Pair 2 | Black & White |
| Pair 3 | Black & Green |

Outer Jacket

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|---|------------------|------------------------|---------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 8.8 mm | 1.2 mm | Yes |

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

Construction and Dimensions

Cabling

| Description |
|-----------------|
| 3 pairs twisted |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 21.3 Ohm/km |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 85 pF/m |

Current

Max. Recommended Current [A]

3.5 Amps per Conductor

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: | 320 N |
| Min. Bend Radius During Installation: | 88 mm |
| Min Setting Radius: | 44 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 60754-1 - 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

4342ULW.00500

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.20 Revision Date: 06-13-2024 |
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