



Product: [4506UE](#)

Security & Sound, 8 Conductor 22 AWG BC, LSZH, Eca

Product Description

Security & Commercial Audio Cable, 8-22 AWG stranded bare copper conductors with polypropylene insulation, LSZH jacket with ripcord, CPR Eca

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Security/Intercom/PA/Sound/Audio Systems,Power Limited Controls, Single Line Telephone; Commercial applications |
|------------------------|---|

Physical Characteristics (Overall)

| Conductor | | | | |
|------------------|-----------|------------------|------------------|-------------------|
| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
| 22 | 7x30 | BC - Bare Copper | 0.75 mm | 8 |
| Conductor Count: | | | | 8 |

| Insulation | | | | |
|------------|-------------------|------------------|------------------------|------------------------|
| Type | Material | Nominal Diameter | Diameter +/- Tolerance | Nominal Wall Thickness |
| Insulation | PE - Polyethylene | 1.07 mm | 0.05 mm | 0.2 mm |

| Color Chart | |
|-------------|--------|
| Number | Color |
| Wire 1 | Black |
| Wire 2 | Red |
| Wire 3 | White |
| Wire 4 | Green |
| Wire 5 | Brown |
| Wire 6 | Blue |
| Wire 7 | Orange |
| Wire 8 | Yellow |

| Outer Jacket Material | | | |
|---|------------------|------------------------|---------------------------|
| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 4.65 mm | 0.4 mm | Provided under the sheath |

Construction and Dimensions

| Cabling | |
|-------------|-----------------|
| Description | 8 wires twisted |

Electrical Characteristics

| Conductor DCR | |
|-----------------------|-----------|
| Nominal Conductor DCR | 53 Ohm/km |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 80 pF/m |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 2 A |

Voltage

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

Temperature Range

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

Mechanical Characteristics

| | |
|--------------------------------------|----------|
| Max. Pull Tension: | 135 N |
| Min Bend Radius During Installation: | 46.5 mm |
| Min Setting Radius: | 23.25 mm |

Standards

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

Applicable Environmental and Other Programs

| | |
|---------------------------------------|------------------------|
| Environmental Space: | Indoor - Euroclass Eca |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-01-01 |

Flammability, LSOH, Toxicity Testing

| | |
|--|---------------|
| IEC Flammability: | IEC 60332-1-2 |
| IEC 60754-1 (EN50267-1)- Halogen Amount: | Zero |
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity: | 2.5 µS/mm |
| IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH: | 4.3 |
| IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance: | 60% |

Part Number

Variants

| Item # | Color | Putup Type | Length | EAN |
|--------------|-------|------------|--------|---------------|
| 4506UE.00100 | Gray | Reel | 100 m | 8719605007261 |
| 4506UE.00500 | Gray | Reel | 500 m | 8719605007278 |

History

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| Update and Revision: | Revision Number: 0.171 Revision Date: 12-18-2020 |
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