



Product: [5409UE](#)

Security & Sound, #20-12c, BC, CMR

Product Description

Security & Sound Cable, Riser-CMR, 12-20 AWG stranded bare copper conductors with polypropylene insulation, PVC jacket with ripcord

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Security System, Intercom/PA, Audio/Speaker, Power-Limited Controls |
|------------------------|---|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|--------------|-------------------|------|-----------|------------------|
| Conductor(s) | 12 | 20 | 7x28 | BC - Bare Copper |

Insulation

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|--------------------|--------------------|--------------------------|--|
| PP - Polypropylene | 0.008 in (0.20 mm) | 0.062 in (1.6 mm) | Black, Red, White, Green, Brown, Blue, Orange, Yellow, Purple, Gray, Pink, Tan |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|--------------------------|--------------------|--------------------|---------|
| PVC - Polyvinyl Chloride | 0.017 in (0.43 mm) | 0.252 in (6.40 mm) | Yes |

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|--------------------|-------------------------------|--------------------------------|
| 10.82 Ohm/1000ft | 24.7 pF/ft (81.0 pF/m) | 2.6 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 75°C | -20°C To +75°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 2.52 in (64.0 mm) | 2.52 in (64.0 mm) |

| | |
|--------------------|----------------------|
| Max. Pull Tension: | 151.2 lbs (68.58 kg) |
| Bulk Cable Weight: | 53 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------|---------|
| Environmental Suitability: | Outdoor |
|----------------------------|---------|

| | |
|----------------------------------|--|
| Flammability / Reaction to Fire: | UL1666 Riser, FT4 |
| NEC / UL Compliance: | Article 800, CMR |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 6409UE |

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.405 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | UPC |
|----------------|-------|--------------|
| 5409UE 0081000 | Gray | 612825162315 |

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