




Product: [734A12](#) 

DS3/DS4 Central Office Coax, 12 x RG-59, 20 AWG Solid BC, Foil + 85% TC Braids, PVC Inner & Outer Jkts, CMR

Product Description

DS3/DS4 Central Office Coax, 12 Coaxes, RG-59, 20 AWG Solid Bare Copper Conductor, PE Insulation, Foil + 85% Tinned Copper Braid Shields, PVC Inner and Outer Jackets, CMR

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | Central office wiring, DS3/DS4 interconnect, 734/735 telecommunications systems, switchboard communications |
|------------------------|---|

Construction Details

| | |
|----------|----|
| RG Type: | 59 |
|----------|----|

Conductor

| AWG | Stranding | Nom. Diameter | Material |
|-----|-----------|---------------|------------------|
| 20 | Solid | 0.032 in | BC - Bare Copper |

Insulation

| Material | Nom. Diameter |
|--------------------------|---------------|
| PE - Polyethylene (Foam) | 0.148 |

Inner Shield Material

| Layer | Inner Shield Type | Material | Material Trade Name | Coverage |
|-------|-------------------|-------------------------|---------------------|----------|
| 1 | Tape | Bi-Laminate (Alum+Poly) | Beldfoil® | 100% |
| 2 | Braid | Tinned Copper (TC) | | 85% |

Inner Jacket Material

| Material | Nom. Diameter |
|--------------------------|---------------|
| PVC - Polyvinyl Chloride | 0.235 in |

| | |
|--------------|-------------------------------|
| Table Notes: | Each jacket gray and numbered |
|--------------|-------------------------------|

Outer Jacket Material

| Material | Nom. Diameter |
|--------------------------|---------------|
| PVC - Polyvinyl Chloride | 1.026 in |

Electrical Characteristics

Return Loss (RL)

| Frequency [MHz] | Min. Return Loss [dB] |
|-----------------|-----------------------|
| 15 - 95 MHz | 30 dB |

Attenuation

| Frequency | Max. Attenuation [dB/100ft] |
|-----------|-----------------------------|
| 5 MHz | 0.6 dB/100ft |
| 10 MHz | 0.8 dB/100ft |
| 22.5 MHz | 1.3 dB/100ft |
| 50 MHz | 1.8 dB/100ft |
| 100 MHz | 2.8 dB/100ft |

| | |
|---------|--------------|
| 200 MHz | 4.0 dB/100ft |
|---------|--------------|

Electricals

| Nom. Conductor DCR | Nom. Inner Shield DCR | Nom. Capacitance Cond-to-Shield | Nom. Impedence | Nom. Velocity |
|--------------------|-----------------------|---------------------------------|----------------|---------------|
| 10 Ohm/1000ft | 2.4 Ohm/1000ft | 16.8 pF/ft | 75 Ohm | 80% |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V (CMR, CMG) |

Mechanical Characteristics

Temperature

| |
|------------------|
| Operating |
| -30°C to +75°C |

Bend Radius

| |
|--------------------------|
| Installation Min. |
| 1.0 in |

| | |
|--------------------|----------------|
| Bulk Cable Weight: | 436 lbs/1000ft |
| Max. Pull Tension: | 485 lbs |

Standards and Compliance

| | |
|---------------------------------|---|
| Environmental Suitability: | Indoor - Riser, Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | UL1666 Vertical Shaft, FT4 |
| NEC / UL Compliance: | CMR |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Other Standard Compliance(s): | Telcordia Specification GR-139-CORE |

History

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| Update and Revision: | Revision Number: 0.301 Revision Date: 07-31-2020 |
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- Поставка образцов и прототипов;
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