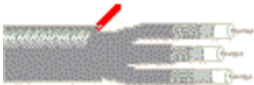




Product: [735A3](#)



DS-3 and DS-4, 735\* Series, #26-3 SPC Coax, CMR/CMG

Product Description

26 AWG solid .016" silver-plated copper conductor(s), foam HDPE insulation, Beldfoil®; tinned copper braid shield (95% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material                             | Nominal Diameter | No. of Coax |
|-----|-----------|--------------------------------------|------------------|-------------|
| 26  | Solid     | SCCS - Silvered Copper Covered Steel | 0.016 in         | 3           |

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

Insulation

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PE - Polyethylene (Foam) | 0.077 in         |

Inner Shield

| Type  | Layer | Material                | Material Trade Name | Coverage [%] |
|-------|-------|-------------------------|---------------------|--------------|
| Tape  | 1     | Bi-Laminate (Alum+Poly) | Beldfoil®           | 100%         |
| Braid | 2     | Tinned Copper (TC)      |                     | 95%          |

Inner Jacket

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.129 in         |

Outer Shield

| Material  |
|-----------|
| No Shield |

Outer Jacket

| Material                 | Nominal Diameter | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 0.320 in         | Yes     |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|-----------------------|----------------------|--------------------------|---------------------|
| 41 Ohm/1000ft         | 41 Ohm/1000ft         |                      | 5.3 Ohm/1000ft           | 5.3 Ohm/1000ft      |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 17.7 pF/ft                           |

Inductance

| Nominal Inductance |
|--------------------|
| 0.19 µH/ft         |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 75 Ohm                           |

Return Loss

| Frequency [MHz] | Minimum Return (RL) |
|-----------------|---------------------|
| 15-95 MHz       | 30 dB               |

Delay

| Nominal Delay | Nominal Velocity of Propagation (VP) [%] |
|---------------|------------------------------------------|
| 1.34 ns/ft    | 76%                                      |

High Frequency

| Frequency [MHz] | Max. Insertion Loss (Attenuation) |
|-----------------|-----------------------------------|
| 1 MHz           | 0.6 dB/100ft                      |
| 1.024 MHz       | 0.61 dB/100ft                     |
| 4.224 MHz       | 1.1 dB/100ft                      |
| 5 MHz           | 1.2 dB/100ft                      |
| 10 MHz          | 1.7 dB/100ft                      |
| 17.184 MHz      | 2.2 dB/100ft                      |
| 22.368 MHz      | 2.5 dB/100ft                      |
| 25.92 MHz       | 2.7 dB/100ft                      |
| 44.736 MHz      | 3.6 dB/100ft                      |
| 50 MHz          | 3.8 dB/100ft                      |
| 69.632 MHz      | 4.5 dB/100ft                      |
| 77.76 MHz       | 4.8 dB/100ft                      |
| 100 MHz         | 5.5 dB/100ft                      |
| 137.088 MHz     | 6.4 dB/100ft                      |
| 200 MHz         | 7.8 dB/100ft                      |

Voltage

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

Temperature Range

|                              |                |
|------------------------------|----------------|
| Operating Temperature Range: | -40°C To +75°C |
|------------------------------|----------------|

Mechanical Characteristics

|                                      |               |
|--------------------------------------|---------------|
| Bulk Cable Weight:                   | 49 lbs/1000ft |
| Maximum Recommended Pulling Tension: | 75 lbs        |
| Min Bend Radius (Overall):           | 3.25 in       |
| Min Bend Radius (Each Coax):         | 1.25 in       |

Standards

|                       |         |
|-----------------------|---------|
| NEC/(UL) Compliance:  | CMR     |
| CEC/C(UL) Compliance: | CMG     |
| RG Type:              | Mini 59 |

Applicable Environmental and Other Programs

|                                              |                               |
|----------------------------------------------|-------------------------------|
| Environmental Space:                         | Indoor - Riser                |
| EU Directive 2000/53/EC (ELV):               | Yes                           |
| EU Directive 2003/11/EC (BFR):               | Yes                           |
| EU Directive 2011/65/EU (RoHS 2):            | Yes                           |
| EU Directive 2012/19/EU (WEEE):              | Yes                           |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes                           |
| EU Directive Compliance:                     | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                                  | Yes                           |
| MII Order #39 (China RoHS):                  | Yes                           |

Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

|                    |                       |
|--------------------|-----------------------|
| UL Flammability:   | UL1666 Vertical Shaft |
| CSA Flammability:  | FT4                   |
| UL voltage rating: | 300 V RMS             |

Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Related Part Numbers

Variants

| Item #        | Color | Put-Up Type | Length   | UPC          |
|---------------|-------|-------------|----------|--------------|
| 735A3 008500  | Gray  | Reel        | 500 ft   | 612825184812 |
| 735A3 0081000 | Gray  | Reel        | 1,000 ft | 612825184805 |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.186 Revision Date: 04-29-2024 |
|----------------------|--------------------------------------------------|

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