



75 Ohm XPRESSPREP® Coaxial Headend Cable, Series 59, orange flame retardant PVC jacket

Product Classification

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|-----------------------|-----------------------|
| Brand | XPRESSPREP® |
| Product Type | Coaxial headend cable |
| Product Series | 59 Series |

Standards And Qualifications

| | |
|------------------------------------|---------------|
| EN50575 CPR Cable EuroClass | Dca s2 d0 |
|------------------------------------|---------------|

Construction Materials

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|--------------------------------------|--|
| Outer Shield (Braid) Material | Aluminum |
| Center Conductor Material | Silver-plated copper-clad steel |
| Dielectric Material | PE |
| Inner Shield (Braid) Coverage | 95 % |
| Inner Shield (Braid) Gauge | 34 AWG |
| Inner Shield (Braid) Material | Aluminum |
| Inner Shield (Tape) Material | Aluminum/Polymer/Aluminum (APA) bonded |
| Jacket Material | Fire retardant PVC |
| Outer Shield (Braid) Coverage | 95 % |
| Outer Shield (Braid) Gauge | 34 AWG |
| Outer Shield (Tape) Material | Aluminum/Polymer/Aluminum (APA) |

Dimensions

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|---|-----------------------|
| Cable Length | 305 m 1000 ft |
| Diameter Over Center Conductor, nominal | 0.813 mm 0.032 in |
| Diameter Over Dielectric, nominal | 3.658 mm 0.144 in |
| Diameter Over Inner Shield (Tape), nominal | 3.835 mm 0.151 in |
| Diameter Over Jacket, nominal | 6.858 mm 0.270 in |
| Jacket Thickness, nominal | 0.7112 mm 0.0280 in |
| Shipping Weight | 33.00 lb/kft |

Electrical Specifications

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| Characteristic Impedance | 75 ohm |
| Characteristic Impedance Tolerance | ±3 ohm |
| dc Resistance Note | Nominal values based on a standard condition of 20 °C (68 °F) |

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| dc Resistance, Loop, nominal | 26.20 ohms/kft |
| Nominal Velocity of Propagation (NVP) | 85 % |
| Shielding Effectiveness at Frequency Band, nominal | 120 dB @ 5–1000 MHz |
| Structural Return Loss | 20 dB @ 5–1002 MHz |
| Structural Return Loss Test Method | 100% Swept Tested |

Environmental Specifications

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|----------------------------|--|
| Environmental Space | Indoor |
| Flame Test Listing | CATV CM EN 50399 IEC 60332-1-2 UL 1685 |
| Safety Standard | ETL |

General Specifications

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|-------------------------------|-----------|
| Cable Type | Series 59 |
| Center Conductor Gauge | 20 AWG |
| Center Conductor Type | Solid |
| Conductors, quantity | 1 |
| Jacket Color | Orange |
| Jacket Marking | Feet |
| Warranty | One year |

Electrical Performance

| Frequency | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------|------------------------|-------------------------|
| 5 MHz | 2.82 | 0.86 |
| 55 MHz | 6.73 | 2.05 |
| 83 MHz | 8.04 | 2.45 |
| 187 MHz | 11.81 | 3.60 |
| 211 MHz | 12.47 | 3.80 |
| 250 MHz | 13.45 | 4.10 |
| 300 MHz | 14.60 | 4.45 |
| 350 MHz | 15.75 | 4.80 |
| 400 MHz | 16.73 | 5.10 |
| 450 MHz | 17.72 | 5.40 |
| 500 MHz | 18.70 | 5.70 |
| 550 MHz | 19.52 | 5.95 |
| 600 MHz | 20.34 | 6.20 |
| 750 MHz | 22.87 | 6.97 |
| 865 MHz | 24.67 | 7.52 |
| 1000 MHz | 26.64 | 8.12 |
| 1200 MHz | 29.29 | 8.93 |
| 1218 MHz | 29.52 | 9.00 |
| 1300 MHz | 30.55 | 9.31 |
| 1400 MHz | 31.78 | 9.69 |
| 1500 MHz | 32.96 | 10.05 |
| 1600 MHz | 34.11 | 10.40 |
| 1700 MHz | 35.23 | 10.74 |

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| 1794 MHz | 35.77 | 10.90 |
| 1800 MHz | 36.32 | 11.07 |

* Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)

Regulatory Compliance/Certifications

| Agency | Classification |
|-----------------|--|
| RoHS 2011/65/EU | Compliant |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available |

