

4101303/10 | 2293V WHRL RG11 95 1000



RG 11 Type 95% Braid Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

Product Classification

| | |
|------------------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Portfolio | CommScope® |
| Product Type | Coaxial video cable |

General Specifications

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|------------------------------|-------------|
| Product Number | 2293V |
| Cable Type | Series 11 |
| Center Conductor Type | Solid |
| Construction Type | Non-armored |
| Jacket Color | White |

Dimensions

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|---|------------------------|
| Cable Length | 304.8 m 1000 ft |
| Diameter Over Center Conductor, specific | 0.0641 in per 1 strand |
| Diameter Over Dielectric | 7.061 mm 0.278 in |
| Diameter Over Jacket Tolerance | ±0.008 in |
| Diameter Over Jacket, nominal | 8.788 mm 0.346 in |
| Diameter Over Shield (Braid) | 7.849 mm 0.309 in |
| Diameter Over Shield (Tape) | 7.214 mm 0.284 in |
| Jacket Thickness | 0.457 mm 0.018 in |
| Jacket Thickness, minimum spot | 0.305 mm 0.012 in |
| Center Conductor Gauge | 14 AWG |
| Shield (Braid) Gauge | 34 AWG |

Electrical Specifications

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|---|------------------------------|
| Capacitance | 52.493 pF/m 16 pF/ft |
| Characteristic Impedance | 75 ohm |
| Characteristic Impedance Tolerance | ±3 ohm |
| Conductor dc Resistance | 9.514 ohms/km 2.9 ohms/kft |

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|---|---|
| Dielectric Strength, conductor to shield | 4000 Vdc |
| Jacket Spark Test Voltage | 5000 Vac |
| Nominal Velocity of Propagation (NVP) | 86 % |
| Structural Return Loss | 15 dB @ 1500–3000 MHz 20 dB @ 10–1500 MHz |
| Structural Return Loss Test Method | 100% Swept Tested |

Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------------|------------------------|-------------------------|
| 1.0 | 0.3 | 0.09 |
| 10.0 | 1.48 | 0.45 |
| 50.0 | 2.95 | 0.9 |
| 100.0 | 4.2 | 1.28 |
| 200.0 | 6.07 | 1.85 |
| 400.0 | 9.02 | 2.75 |
| 700.0 | 12.86 | 3.92 |
| 900.0 | 15.48 | 4.72 |
| 1000.0 | 16.53 | 5.04 |
| 1450.0 | 21.06 | 6.42 |
| 1800.0 | 23.68 | 7.22 |
| 2200.0 | 25.55 | 7.79 |
| 2500.0 | 27.22 | 8.3 |
| 3000.0 | 30.24 | 9.22 |

Material Specifications

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|----------------------------------|-----------------------|
| Center Conductor Material | Bare copper |
| Dielectric Material | Foam FEP |
| Jacket Material | PVC |
| Shield (Braid) Coverage | 95 % |
| Shield (Braid) Material | Tinned copper |
| Shield (Tape) Material | Aluminum/Poly, bonded |

Mechanical Specifications

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| Minimum Bend Radius, loaded, times | 20 times |
| Minimum Bend Radius, unloaded, times | 10 times |

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Environmental Specifications

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|-------------------------------|--------------------------------------|
| Operating Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Environmental Space | Plenum |
| Temperature Rating, UL | 75 °C 167 °F |
| Flame Test Method | CMP |
| Safety Standard | ETL cETL |

Packaging and Weights

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|-----------------------|---------------------------|
| Cable weight | 110.124 kg/km 74 lb/kft |
| Packaging Type | Reel |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

