

4101103/10 | 2273V WHRL RG6 90 1000



RG 6 Type 90% 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 | 2273V |
| Cable Type | Series 6 |
| Center Conductor Type | Solid |
| Construction Type | Non-armored |
| Jacket Color | White |

Dimensions

| | |
|-------------------------------------------------|------------------------|
| Cable Length | 304.8 m 1000 ft |
| Diameter Over Center Conductor Tolerance | ±0.0004 in |
| Diameter Over Center Conductor, specific | 0.0403 in per 1 strand |
| Diameter Over Dielectric | 4.318 mm 0.17 in |
| Diameter Over Jacket Tolerance | ±0.004 in |
| Diameter Over Jacket, nominal | 6.02 mm 0.237 in |
| Diameter Over Shield (Braid) | 5.207 mm 0.205 in |
| Jacket Thickness | 0.406 mm 0.016 in |
| Jacket Thickness, minimum spot | 0.33 mm 0.013 in |
| Center Conductor Gauge | 18 AWG |
| Shield (Braid) Gauge | 34 AWG |

Electrical Specifications

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|-------------------------------------------|-------------------------------|
| Capacitance | 50.853 pF/m 15.5 pF/ft |
| Characteristic Impedance | 75 ohm |
| Characteristic Impedance Tolerance | ±3 ohm |
| Conductor dc Resistance | 20.997 ohms/km 6.4 ohms/kft |

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|-------------------------------------------------|--------------------------------------------|
| Dielectric Strength, conductor to shield | 2500 Vdc |
| Jacket Spark Test Voltage | 2500 Vac |
| Nominal Velocity of Propagation (NVP) | 84 % |
| Shield dc Resistance | 20.997 ohms/km 6.4 ohms/kft |
| Structural Return Loss | 15 dB @ 1000–3000 MHz 20 dB @ 5–1000 MHz |
| Structural Return Loss Test Method | 100% Swept Tested |

Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------------|------------------------|-------------------------|
| 1.0 | 0.85 | 0.26 |
| 10.0 | 2.3 | 0.7 |
| 50.0 | 4.85 | 1.48 |
| 100.0 | 6.59 | 2.01 |
| 200.0 | 9.38 | 2.86 |
| 400.0 | 13.87 | 4.23 |
| 600.0 | 17.77 | 5.42 |
| 700.0 | 19.55 | 5.96 |
| 900.0 | 22.83 | 6.96 |
| 1000.0 | 24.44 | 7.45 |
| 1450.0 | 30.64 | 9.34 |
| 2200.0 | 37.85 | 11.54 |
| 3000.0 | 42.87 | 13.07 |

Material Specifications

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|----------------------------------|-----------------------|
| Center Conductor Material | Bare copper |
| Dielectric Material | Foam FEP |
| Jacket Material | PVC |
| Shield (Braid) Coverage | 90 % |
| Shield (Braid) Material | Aluminum |
| 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 |

Environmental Specifications

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|-------------------------------|--------------------------------------|
| Operating Temperature | -40 °C to +75 °C (-40 °F to +167 °F) |
| Environmental Space | Plenum |
| Temperature Rating, UL | 60 °C 140 °F |
| Flame Test Method | CMP |
| Safety Standard | ETL cETL |

Packaging and Weights

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|-----------------------|--------------------------|
| Cable weight | 41.669 kg/km 28 lb/kft |
| Packaging Type | Reel |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |

