



8720303/10 | 2289K WHRL RG11 TRI
1000

RG 11 Type 77% Braid Trishield Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

Construction Materials

| | |
|-------------------------------|---------------------------|
| Construction Type | Non-armored |
| Center Conductor Material | Copper-clad steel wire |
| Dielectric Material | Foam FEP |
| Inner Shield (Braid) Coverage | 77 % |
| Inner Shield (Braid) Gauge | 34 AWG |
| Inner Shield (Braid) Material | Aluminum |
| Inner Shield (Tape) Material | Aluminum/Poly, bonded |
| Jacket Material | PVDF |
| Outer Shield (Tape) Material | Aluminum/Poly, non-bonded |

Dimensions

| | |
|--------------------------------|--|
| Cable Length | 305 m 1000 ft |
| Cable Weight | 62.00 lb/kft |
| Diameter Over Center Conductor | 1.6281 mm per 1 strand 0.0641 in per 1 strand |
| Diameter Over Dielectric | 7.1120 mm 0.2800 in |
| Diameter Over Jacket | 9.169 mm 0.361 in |
| Diameter Over Jacket Tolerance | ±0.008 in |
| Diameter Over Shield (Braid) | 8.179 mm 0.322 in |
| Jacket Thickness | 0.508 mm 0.020 in |
| Jacket Thickness, minimum spot | 0.406 mm 0.016 in |

Electrical Specifications

| | |
|--|--|
| Capacitance | 52.5 pF/m 16.0 pF/ft |
| Characteristic Impedance | 75 ohm |
| Characteristic Impedance Tolerance | ±3 ohm |
| Conductor dc Resistance | 11.00 ohms/kft |
| Dielectric Strength, conductor to shield | 4000 Vdc |
| Jacket Spark Test Voltage | 5000 Vac |
| Nominal Velocity of Propagation (NVP) | 84 % |
| Structural Return Loss | 15 dB @ 1000–3000 MHz 20 dB @ 5–1000 MHz |
| Structural Return Loss Test Method | 100% Swept Tested |

Environmental Specifications

| | |
|-----------------------|---------------------------------------|
| Environmental Space | Plenum |
| Flame Test Method | CMP |
| Operating Temperature | -40 °C to +125 °C (-40 °F to +257 °F) |

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Safety Standard cETL | ETL
UL Temperature Rating 125 °C | 257 °F

General Specifications

| | |
|------------------------|-----------|
| Cable Type | Series 11 |
| Jacket Color | White |
| Product Number | 2289K |
| Center Conductor Gauge | 14 AWG |
| Center Conductor Type | Solid |
| Packaging Type | Reel |

Mechanical Specifications

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

Electrical Performance

| Frequency | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------|------------------------|-------------------------|
| 1 MHz | 0.49 | 0.15 |
| 10 MHz | 1.48 | 0.45 |
| 50 MHz | 2.95 | 0.90 |
| 100 MHz | 4.20 | 1.28 |
| 200 MHz | 6.07 | 1.85 |
| 400 MHz | 9.02 | 2.75 |
| 700 MHz | 12.86 | 3.92 |
| 900 MHz | 15.48 | 4.72 |
| 1000 MHz | 16.53 | 5.04 |
| 1450 MHz | 21.88 | 6.67 |
| 1800 MHz | 25.29 | 7.71 |
| 2200 MHz | 27.88 | 8.50 |
| 3000 MHz | 32.41 | 9.88 |

Regulatory Compliance/Certifications

| Agency | Classification |
|-----------------|--|
| RoHS 2002/95/EC | Compliant |
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |

