



RG 11 Type Quad Shield Plenum Video Coaxial Cable, white jacket, 1000 ft (305 m) reel

Product Classification

|                       |                     |
|-----------------------|---------------------|
| Regional Availability | North America       |
| Portfolio             | CommScope®          |
| Product Type          | Coaxial video cable |

General Specifications

|                       |             |
|-----------------------|-------------|
| Product Number        | 2287V       |
| Cable Type            | Series 11   |
| Center Conductor Type | Solid       |
| Construction Type     | Non-armored |
| Jacket Color          | White       |
| Supported Application | Video       |

Dimensions

|                                          |                        |
|------------------------------------------|------------------------|
| 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 Inner Shield (Braid)       | 7.595 mm   0.299 in    |
| Diameter Over Inner Shield (Tape)        | 7.214 mm   0.284 in    |
| Diameter Over Jacket, nominal            | 9.042 mm   0.356 in    |
| Diameter Over Jacket Tolerance           | ±0.008 in              |
| Diameter Over Outer Shield (Braid)       | 8.204 mm   0.323 in    |
| Jacket Thickness                         | 0.432 mm   0.017 in    |
| Jacket Thickness, minimum spot           | 0.305 mm   0.012 in    |
| Center Conductor Gauge                   | 14 AWG                 |
| Inner Shield (Braid) Gauge               | 36 AWG                 |
| Outer Shield (Braid) Gauge               | 36 AWG                 |

Electrical Specifications

|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| Capacitance                              | 52.493 pF/m   16 pF/ft                     |
| Characteristic Impedance                 | 75 ohm                                     |
| Characteristic Impedance Tolerance       | ±3 ohm                                     |
| Conductor dc Resistance                  | 36.089 ohms/km   11 ohms/kft               |
| Dielectric Strength, conductor to shield | 4000 Vdc                                   |
| Jacket Spark Test Voltage                | 2500 Vac                                   |
| Nominal Velocity of Propagation (NVP)    | 86 %                                       |
| Shield dc Resistance                     | 5.577 ohms/km   1.7 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 ft) |
|-----------------|-------------------------|
| 1.0             | 0.15                    |
| 10.0            | 0.45                    |
| 50.0            | 0.9                     |
| 100.0           | 1.28                    |
| 200.0           | 1.85                    |
| 400.0           | 2.75                    |
| 700.0           | 3.92                    |
| 900.0           | 4.72                    |
| 1000.0          | 5.04                    |
| 1450.0          | 6.67                    |
| 1800.0          | 7.71                    |
| 2200.0          | 8.5                     |
| 3000.0          | 9.88                    |

Material Specifications

|                               |                        |
|-------------------------------|------------------------|
| Center Conductor Material     | Copper-clad steel wire |
| Dielectric Material           | Foam FEP               |
| Jacket Material               | PVC                    |
| Inner Shield (Braid) Coverage | 60 %                   |
| Inner Shield (Braid) Material | Tinned copper          |

# 4101204/10 | 2287V WTRL RG11 QD 1000

|                               |                           |
|-------------------------------|---------------------------|
| Inner Shield (Tape) Material  | Aluminum/Poly             |
| Outer Shield (Braid) Coverage | 50 %                      |
| Outer Shield (Braid) Material | Tinned copper             |
| Outer Shield (Tape) Material  | Aluminum/Poly, non-bonded |

## Mechanical Specifications

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

## Environmental Specifications

|                        |                |
|------------------------|----------------|
| Environmental Space    | Plenum         |
| Temperature Rating, UL | 75 °C   167 °F |
| Flame Test Method      | CMP            |
| Safety Standard        | ETL   cETL     |

## Packaging and Weights

|                |                           |
|----------------|---------------------------|
| Cable weight   | 102.683 kg/km   69 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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant                                                                                                                      |
| UK-ROHS       | Compliant                                                                                                                      |

