



4220203/10 | 5722 BKRL RG6 60
W/MESS 1000

RG 6 Type 60% Braid w/ 16 Awg Steel Messenger Non-Plenum Coaxial Cable, black jacket, 1000 ft (305 m) reel

Construction Materials

| | |
|---------------------------|------------------------|
| Construction Type | Non-armored |
| Center Conductor Material | Copper-clad steel wire |
| Dielectric Material | Foam PE |
| Jacket Material | PVC |
| Shield (Braid) Coverage | 60 % |
| Shield (Braid) Gauge | 34 AWG |
| Shield (Braid) Material | Aluminum |
| Shield (Tape) Material | Aluminum/Poly, bonded |

Dimensions

| | |
|------------------------------------|--|
| Cable Length | 305 m 1000 ft |
| Cable Weight | 38.00 lb/kft |
| Diameter Over Center Conductor | 1.0236 mm per 1 strand 0.0403 in per 1 strand |
| Diameter Over Dielectric | 4.5720 mm 0.1800 in |
| Diameter Over Dielectric Tolerance | ±0.004 in |
| Diameter Over Messenger Wire | 1.295 mm 0.051 in |
| Diameter Over Shield (Braid) | 5.385 mm 0.212 in |
| Jacket Thickness | 0.762 mm 0.030 in |
| Overall Cable Width | 10.490 mm 0.413 in |

Dimensions, Coaxial

| | |
|--------------------------------|---------------------|
| Diameter Over Jacket | 6.909 mm 0.272 in |
| Diameter Over Jacket Tolerance | ±0.008 in |
| Jacket Thickness | 0.762 mm 0.030 in |
| Jacket Thickness, minimum spot | 0.610 mm 0.024 in |

Dimensions, Messenger

| | |
|--------------------------------|---------------------|
| Diameter Over Jacket | 2.819 mm 0.111 in |
| Jacket Thickness | 0.762 mm 0.030 in |
| Jacket Thickness, minimum spot | 0.610 mm 0.024 in |

Electrical Specifications

| | |
|------------------------------------|------------------------|
| Capacitance | 52.5 pF/m 16.0 pF/ft |
| Characteristic Impedance | 75 ohm |
| Characteristic Impedance Tolerance | ±3 ohm |
| Conductor dc Resistance | 28.60 ohms/kft |

4220203/10 | 5722 BKRL RG6 60 W/MESS 1000

| | |
|--|--------------------|
| Dielectric Strength, conductor to shield | 2500 Vdc |
| Jacket Spark Test Voltage | 2500 Vac |
| Nominal Velocity of Propagation (NVP) | 82 % |
| Shield dc Resistance | 9.70 ohms/kft |
| Structural Return Loss | 15 dB @ 5–3000 MHz |
| Structural Return Loss Test Method | 100% Swept Tested |

Environmental Specifications

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

General Specifications

| | |
|------------------------|----------|
| Cable Type | Series 6 |
| Jacket Color | Black |
| Product Number | 5722 |
| Center Conductor Gauge | 18 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 | 1.21 | 0.37 |
| 10 MHz | 2.16 | 0.66 |
| 50 MHz | 4.62 | 1.41 |
| 100 MHz | 6.30 | 1.92 |
| 200 MHz | 8.66 | 2.64 |
| 400 MHz | 12.23 | 3.73 |
| 700 MHz | 16.56 | 5.05 |
| 900 MHz | 18.99 | 5.79 |
| 1000 MHz | 20.04 | 6.11 |
| 1200 MHz | 22.07 | 6.73 |
| 1450 MHz | 24.57 | 7.49 |
| 1800 MHz | 27.65 | 8.43 |
| 2200 MHz | 30.67 | 9.35 |
| 2500 MHz | 32.70 | 9.97 |
| 3000 MHz | 35.82 | 10.92 |

Regulatory Compliance/Certifications

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

Product Specifications

COMMScope®

4220203/10 | 5722 BKRL RG6 60 W/MESS 1000

