

MIL-C-17G QPL Cable

50 Ohm Coax

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD | | Shielding Materials Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
| | | | Ft. | m | Lbs. | kg | | Inch | mm | | Inch | mm | | | pF/Ft. | pF/m | MHz | dB/100 Ft. | dB/100m |

20 AWG Stranded (19x33) .035" Tinned Copper • 95% Tinned Copper Braid Shield

| Polyethylene Insulation • Black Non-contaminating PVC Jacket | | | | | | | | | | | | | | | | | | | |
|---|------|--|------|-------|------|------|----------------------------|------|------|---------------------|------|------|----|-----|------|-------|----------|----------|------|
| 85°C | 9203 | | 500 | 152.4 | 15.5 | 7.0 | 20 AWG (19x33) .035" | .116 | 2.95 | TC Braid | .195 | 4.95 | 50 | 66% | 30.8 | 101.0 | 1 | .4 | 1.4 |
| | | | 1000 | 304.8 | 26.0 | 11.8 | | | | | | | | | | | 10.8Ω/M' | 13.4Ω/km | 10 |
| | | | | | | | | | | 95% Shield Coverage | | | | | | | 50 | 3.3 | 10.8 |
| | | | | | | | | | | TC | | | | | | | 100 | 4.9 | 16.1 |
| | | | | | | | | | | 4.1Ω/M' | | | | | | | 200 | 7.3 | 24.0 |
| | | | | | | | | | | 10.8Ω/M' | | | | | | | 400 | 11.5 | 37.7 |
| | | | | | | | | | | 35.4Ω/km | | | | | | | 700 | 17.0 | 55.8 |
| | | | | | | | | | | | | | | | | | 900 | 20.0 | 65.6 |
| | | | | | | | | | | | | | | | | | 1000 | 21.5 | 70.5 |

M17/28-RG58

| | | | | | | | | | | | | | | | | | | | |
|------|------|--|--------|---------|------|------|----------------------------|------|------|---------------------|------|------|----|-----|------|-------|----------|----------|------|
| 85°C | 8262 | | U-500 | U-152.4 | 14.0 | 6.4 | 20 AWG (19x33) .035" | .115 | 2.92 | TC Braid | .195 | 4.90 | 50 | 66% | 30.8 | 101.0 | 1 | .4 | 1.4 |
| | | | 500 | 152.4 | 16.0 | 4.3 | | | | | | | | | | | 10.8Ω/M' | 13.4Ω/km | 10 |
| | | | U-1000 | U-304.8 | 27.0 | 12.3 | | | | 95% Shield Coverage | | | | | | | 50 | 3.3 | 10.8 |
| | | | 1000 | 304.8 | 27.0 | 12.3 | | | | TC | | | | | | | 100 | 4.9 | 16.1 |
| | | | | | | | | | | 4.1Ω/M' | | | | | | | 200 | 7.3 | 24.0 |
| | | | | | | | | | | 10.8Ω/M' | | | | | | | 400 | 11.5 | 37.7 |
| | | | | | | | | | | 35.4Ω/km | | | | | | | 700 | 17.0 | 55.8 |
| | | | | | | | | | | | | | | | | | 900 | 20.0 | 65.6 |
| | | | | | | | | | | | | | | | | | 1000 | 21.5 | 70.5 |

M17/155-00001 (RG-58C/U). Non-SWR swept version of RG-58.

19 AWG Solid .034" Silver-coated Copper • Two Silver-coated Copper Braids (95% Shield Coverage)

| Polyethylene Insulation • Black Non-contaminating PVC Jacket | | | | | | | | | | | | | | | | | | | |
|---|------|------|--------|---------|------|------|----------------------------|------|------|---------------------|------|------|----|-----|------|-------|------|------|------|
| UL AWM Style 1354 (30V 60°C) | 9273 | NEC: | 100 | 30.5 | 4.7 | 2.1 | 19 AWG (solid) .034" | .117 | 2.95 | (2) SCC Braids | .212 | 5.38 | 50 | 66% | 30.8 | 101.0 | 1 | .4 | 1.1 |
| | | CMX | U-500 | U-152.4 | 19.5 | 8.9 | | | | | | | | | | | 10 | 1.2 | 3.9 |
| | | CEC: | 500 | 152.4 | 22.0 | 10.0 | | | | 95% Shield Coverage | | | | | | | 50 | 2.8 | 9.2 |
| | | CMX | U-1000 | U-304.8 | 39.0 | 17.7 | | | | SCC | | | | | | | 100 | 4.1 | 13.5 |
| | | | 1000 | 304.8 | 39.0 | 17.7 | | | | 8.8Ω/M' | | | | | | | 200 | 6.0 | 19.7 |
| | | | | | | | | | | 28.9Ω/km | | | | | | | 400 | 8.8 | 28.9 |
| | | | | | | | | | | | | | | | | | 700 | 12.0 | 39.4 |
| | | | | | | | | | | | | | | | | | 900 | 13.8 | 45.3 |
| | | | | | | | | | | | | | | | | | 1000 | 14.5 | 47.6 |

M17/167-00001 (RG-223/U). Non-SWR swept version of RG-223.

18 AWG Solid .037" Silver-coated Copper-covered Steel • Two Silver-coated Copper Braids (96% Shield Coverage)

| Plenum • TFE Teflon® Insulation • Tinted Brown FEP Jacket | | | | | | | | | | | | | | | | | | | |
|--|-------|---------|-------|-------|------|------|----------------------------|------|------|---------------------|------|------|----|-----|------|------|------|------|------|
| 200°C VW-1 | 84142 | NEC: | 100† | 30.5 | 6.2 | 2.8 | 18 AWG (solid) .037" | .116 | 2.95 | (2) SCC Braids | .195 | 4.95 | 50 | 70% | 29.0 | 95.1 | 1 | .3 | 1.1 |
| | | CMP | 500† | 152.4 | 23.0 | 10.5 | | | | | | | | | | | 10 | 1.1 | 3.6 |
| | | CEC: | 1000† | 304.8 | 48.0 | 21.8 | | | | 96% Shield Coverage | | | | | | | 50 | 2.7 | 8.9 |
| | | CMP FT6 | | | | | | | | SCCCS | | | | | | | 100 | 3.9 | 12.8 |
| | | | | | | | | | | 19.3Ω/M' | | | | | | | 200 | 5.6 | 18.4 |
| | | | | | | | | | | 63.3Ω/km | | | | | | | 400 | 6.9 | 22.6 |
| | | | | | | | | | | | | | | | | | 700 | 11.0 | 36.1 |
| | | | | | | | | | | | | | | | | | 900 | 12.5 | 41.0 |
| | | | | | | | | | | | | | | | | | 1000 | 13.5 | 44.3 |

M17/60-RG142

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|---------------|-------|---------|-------|-------|------|------|----------------------------|------|------|---------------------|------|------|----|-----|------|------|------|------|------|
| 200°C VW-1 | 83242 | NEC: | 100† | 30.5 | 6.5 | 3.0 | 18 AWG (solid) .037" | .116 | 2.95 | (2) SCC Braids | .195 | 4.95 | 50 | 70% | 29.0 | 95.1 | 1 | .3 | 1.1 |
| | | CMP | 500† | 152.4 | 23.0 | 10.5 | | | | | | | | | | | 10 | 1.1 | 3.6 |
| | | CEC: | 1000† | 304.8 | 48.0 | 21.8 | | | | 96% Shield Coverage | | | | | | | 50 | 2.7 | 8.9 |
| | | CMP FT6 | | | | | | | | SCCCS | | | | | | | 100 | 3.9 | 12.8 |
| | | | | | | | | | | 19.3Ω/M' | | | | | | | 200 | 5.6 | 18.4 |
| | | | | | | | | | | 63.3Ω/km | | | | | | | 400 | 6.9 | 22.6 |
| | | | | | | | | | | | | | | | | | 700 | 11.0 | 36.1 |
| | | | | | | | | | | | | | | | | | 900 | 12.5 | 41.0 |
| | | | | | | | | | | | | | | | | | 1000 | 13.5 | 44.3 |

M17/158-00001 (RG-142B/U). Non-SWR swept version of RG-142.

18 AWG Solid .037" Silver-coated Copper-covered Steel • 95% Silver-coated Copper Braid Shield

| Plenum • TFE Teflon Insulation • Tinted Brown FEP Jacket | | | | | | | | | | | | | | | | | | | |
|---|-------|------|-------|-------|------|------|----------------------------|------|------|---------------------|------|------|----|-----|------|------|------|------|------|
| 200°C VW-1 | 84303 | NEC: | 500† | 152.4 | 17.0 | 7.7 | 18 AWG (solid) .037" | .116 | 2.95 | SCC Braid Shield | .170 | 4.31 | 50 | 70% | 29.0 | 95.1 | 1 | .3 | 1.1 |
| | | CL2P | 1000† | 304.8 | 32.0 | 14.5 | | | | | | | | | | | 10 | 1.1 | 3.6 |
| | | | | | | | | | | 95% Shield Coverage | | | | | | | 50 | 2.7 | 8.9 |
| | | | | | | | | | | SCCCS | | | | | | | 100 | 3.9 | 12.8 |
| | | | | | | | | | | 16.3Ω/M' | | | | | | | 200 | 5.6 | 18.4 |
| | | | | | | | | | | 53.5Ω/km | | | | | | | 400 | 8.2 | 26.9 |
| | | | | | | | | | | | | | | | | | 700 | 11.0 | 36.1 |
| | | | | | | | | | | | | | | | | | 900 | 12.5 | 41.0 |
| | | | | | | | | | | | | | | | | | 1000 | 13.5 | 44.3 |

M17/111-RG303

DCR = DC Resistance • SCC = Silver-coated Copper • SCCC = Silver-coated Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†Spools may contain more than one piece. Length may vary ±10% from length shown.

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