

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. |

30 AWG Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (96% Coverage)

| TFE Teflon® Insulation • White FEP Jacket | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|---|-------|-------|-----|-----|--------|-------|-----------|------------|----------|------|----|-------|------|------|---|------|------|-------|------|
| 200°C | 83265 | — | 100† | 30.5 | .8 | .4 | 30 AWG | .033 | .84 | SPC Braid | .071 | 1.80 | 50 | 69.5% | 29.0 | 95.1 | 1 | 2.6 | 8.5 | | |
| VW-1 | | | 500† | 152.4 | 4.0 | 1.6 | (7x38) | | | 96% Shield | | | | | | | | 10 | 5.6 | 18.4 | |
| | | | 1000† | 304.8 | 6.0 | 3.2 | .012" | | | | Coverage | | | | | | | | 50 | 10.5 | 34.5 |
| | | | | | | | | SPCCS | | | 14.6Ω/M' | | | | | | | | 100 | 14.0 | 45.9 |
| | | | | | | | | | 244.0Ω/M' | | | | | | | | | 200 | 19.0 | 62.3 | |
| | | | | | | | | | 801.0Ω/km | | | | | | | | | 400 | 28.0 | 91.9 | |
| | | | | | | | | | | | | | | | | | | 700 | 37.0 | 121.4 | |
| | | | | | | | | | | | | | | | | | | 900 | 42.5 | 139.4 | |
| | | | | | | | | | | | | | | | | | | 1000 | 46.0 | 150.9 | |

M17/169-00001 (RG-178B/U). Non-SWR swept version of RG-178.

26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)

| TFE Teflon Insulation • White FEP Jacket | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|---|-------|-------|------|-----|--------|-------|-----------|------------|----------|------|----|-------|------|------|---|------|------|------|------|
| 200°C | 83284 | — | 100† | 30.5 | 1.2 | .5 | 26 AWG | .058 | 1.47 | SPC Braid | .098 | 2.49 | 50 | 69.5% | 29.0 | 95.1 | 1 | 1.2 | 3.9 | | |
| VW-1 | | | 500† | 152.4 | 5.5 | 2.7 | (7x34) | | | 95% Shield | | | | | | | | 10 | 2.7 | 8.9 | |
| | | | 1000† | 304.8 | 11.0 | 5.0 | .020" | | | | Coverage | | | | | | | | 50 | 5.6 | 18.4 |
| | | | | | | | | SPCCS | | | 6.5Ω/M' | | | | | | | | 100 | 8.3 | 27.2 |
| | | | | | | | | | 84.1Ω/M' | | | | | | | | | 200 | 12.0 | 39.4 | |
| | | | | | | | | | 275.9Ω/km | | | | | | | | | 400 | 17.5 | 57.4 | |
| | | | | | | | | | | | | | | | | | | 700 | 23.7 | 77.8 | |
| | | | | | | | | | | | | | | | | | | 900 | 27.3 | 89.6 | |
| | | | | | | | | | | | | | | | | | | 1000 | 29.0 | 95.1 | |

M17/172-00001 (RG-316/U). Non-SWR swept version of RG-316.

| TFE Teflon Insulation • Brown FEP Jacket | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|---|-------|-------|------|-----|--------|-------|-----------|------------|----------|------|----|-------|------|------|---|------|------|------|------|
| 200°C | 84316 | — | 100† | 30.5 | 1.2 | .5 | 26 AWG | .058 | 1.47 | SPC Braid | .098 | 2.49 | 50 | 69.5% | 29.0 | 95.1 | 1 | 1.2 | 3.9 | | |
| VW-1 | | | 500† | 152.4 | 5.5 | 2.5 | (7x34) | | | 95% Shield | | | | | | | | 10 | 2.7 | 8.9 | |
| | | | 1000† | 304.8 | 11.0 | 5.0 | .020" | | | | Coverage | | | | | | | | 50 | 5.6 | 18.4 |
| | | | | | | | | SPCCS | | | 6.5Ω/M' | | | | | | | | 100 | 8.3 | 27.2 |
| | | | | | | | | | 84.1Ω/M' | | | | | | | | | 200 | 12.0 | 39.4 | |
| | | | | | | | | | 275.9Ω/km | | | | | | | | | 400 | 17.5 | 57.4 | |
| | | | | | | | | | | | | | | | | | | 700 | 23.7 | 77.8 | |
| | | | | | | | | | | | | | | | | | | 900 | 27.3 | 89.6 | |
| | | | | | | | | | | | | | | | | | | 1000 | 29.0 | 95.1 | |

M17/113-RG316

22 AWG Stranded (27x36) .030" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black Non-contaminating PVC Jacket | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|------|------|-------|------|-----|---------|------|----------|------------|------|------|----|-----|------|-------|---|------|------|------|------|
| UL AWM | 9252 | NEC: | 1000 | 304.8 | 18.0 | 8.2 | 22 AWG | .096 | 2.44 | TC Braid | .160 | 4.06 | 50 | 66% | 30.8 | 101.0 | 1 | .4 | 1.3 | | |
| Style 1354 | | CMX | | | | | (27x36) | | | Shield | | | | | | | | 10 | 1.7 | 5.6 | |
| (30V 80°C) | | CEC: | | | | | .030" | | | 95% Shield | | | | | | | | | 50 | 4.5 | 14.8 |
| VW-1 | | CMX | | | | | TC | | | Coverage | | | | | | | | | 100 | 7.0 | 23.0 |
| | | | | | | | | | 17.1Ω/M' | | | | | | | | | 200 | 11.0 | 36.1 | |
| | | | | | | | | | 56.1Ω/km | | | | | | | | | 400 | 16.5 | 54.1 | |
| | | | | | | | | | | | | | | | | | | 700 | 23.5 | 77.1 | |
| | | | | | | | | | | | | | | | | | | 900 | 27.3 | 89.6 | |
| | | | | | | | | | | | | | | | | | | 1000 | 29.0 | 95.1 | |

M17/157-00001 (RG-122/U). Non-SWR swept version of RG-122.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-plated Copper • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

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

† May contain more than one piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • www.belden.com