




Overall Braid Shield

MIL-W-16878 (Type B) Conductors, Shielded and Jacketed[†]
Communication and Instrumentation Cables

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Color Code | Standard Lengths | | Standard Unit Weight | | Insulation Thickness | | Jacket Thickness | | Nominal OD | | Nominal Capacitance | | | | | | | |
|---|-------------|------------------------------|--------------------|-----------------------------------|------------------|-------|-------------------------|-----------------|-------------------------|-------|---------------------|-----|------------|------|---------------------|---------------|------------------|----------------|----|-----|----|-----|
| | | | | | Ft. | m | Lbs. | kg | Inch | mm | Inch | mm | Inch | mm | * pF/ Ft. | * pF/ m | ** pF/ Ft. | ** pF/ m | | | | |
| 22 AWG Stranded (19x34) TC Conductors • .003" (.76mm) Clear Nylon Skin over Insulation • Tinned Copper Braid Shield (90% Coverage) | | | | | | | | | | | | | | | | | | | | | | |
| PVC Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 600V RMS 105°C VW-1 | 9965 | — | 1 | White | 1000 | 304.8 | 10.0 | 4.5 | .010 | .25 | .010 | .25 | .100 | 2.54 | — | — | 100 | 328 | | | | |
|  | | | | | 9966 | — | 2 | White, Black | 100 | 30.5 | 2.9 | 1.3 | .010 | .25 | .020 | .51 | .176 | 4.47 | 52 | 171 | 87 | 285 |
| | | | | | | | | | 500 | 152.4 | 10.5 | 4.8 | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 19.0 | 8.7 | | | | | | | | | | | | | | |
| | 9967 | — | 3 ^{††} | White, Black, Red | 100 | 30.5 | 3.4 | 1.5 | .010 | .25 | .020 | .51 | .184 | 4.67 | 45 | 148 | 88 | 289 | | | | |
| | | | | | 500 | 152.4 | 13.0 | 5.9 | | | | | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 24.0 | 10.9 | | | | | | | | | | | | | | |
| | 9968 | — | 4 ^{††} | White, Black, Red, Green | 100 | 30.5 | 3.9 | 1.8 | .010 | .25 | .020 | .51 | .200 | 5.08 | 42 | 138 | 69 | 226 | | | | |
| | | | | | 500 | 152.4 | 14.5 | 6.6 | | | | | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 29.0 | 13.2 | | | | | | | | | | | | | | |
| 20 AWG Stranded (19x32) Tinned Copper Conductors • .004" (.10mm) Clear Nylon Skin over Insulation • TC Braid Shield (90% Coverage) | | | | | | | | | | | | | | | | | | | | | | |
| PVC Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 600V RMS 105°C VW-1 | 9961 | — | 1 | White | 500 | 152.4 | 4.5 | 2.0 | .011 | .27 | .010 | .25 | .109 | 2.77 | — | — | 103 | 338 | | | | |
|  | | | | | 9962 | — | 2 ^{††} | White, Black | 100 | 30.5 | 3.3 | 1.5 | .011 | .27 | .020 | .51 | .192 | 4.88 | 53 | 174 | 91 | 299 |
| | | | | | | | | | 500 | 152.4 | 11.0 | 5.0 | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 22.0 | 10.0 | | | | | | | | | | | | | | |
| | 9963 | — | 3 ^{††} | White, Black, Red | 100 | 30.5 | 3.9 | 1.8 | .011 | .27 | .025 | .64 | .210 | 5.33 | 49 | 161 | 84 | 276 | | | | |
| | | | | | 500 | 152.4 | 14.5 | 6.6 | | | | | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 29.0 | 13.2 | | | | | | | | | | | | | | |
| | 9964 | — | 4 ^{††} | White, Black, Red, Green | 100 | 30.5 | 4.6 | 2.1 | .011 | .27 | .025 | .64 | .226 | 5.74 | 40 | 131 | 100 | 328 | | | | |
| | | | | | 500 | 152.4 | 18.0 | 8.2 | | | | | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 39.0 | 17.7 | | | | | | | | | | | | | | |
| 16 AWG Stranded (19x29) Tinned Copper Conductors • .004" (.10mm) Clear Nylon Skin over Insulation • TC Braid Shield (90% Coverage) | | | | | | | | | | | | | | | | | | | | | | |
| PVC Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 600V RMS 105°C VW-1 | 9951 | — | 1 | White | 1000 | 304.8 | 20.0 | 9.1 | .012 | .30 | .016 | .41 | .143 | 3.63 | — | — | 138 | 453 | | | | |
|  | | | | | 9952 | — | 2 ^{††} | White, Black | 100 | 30.5 | 4.6 | 2.1 | .012 | .30 | .025 | .64 | .250 | 6.35 | 57 | 187 | 95 | 312 |
| | | | | | | | | | 500 | 152.4 | 19.0 | 8.7 | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 42.0 | 19.1 | | | | | | | | | | | | | | |
| | 9953 | — | 3 ^{††} | White, Black, Red | 100 | 30.5 | 5.2 | 2.4 | .012 | .30 | .025 | .64 | .264 | 6.71 | 58 | 190 | 101 | 331 | | | | |
| | | | | | 500 | 152.4 | 26.0 | 11.9 | | | | | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 56.0 | 25.5 | | | | | | | | | | | | | | |
| | 9954 | — | 4 ^{††} | White, Black, Red, Green | 100 | 30.5 | 7.7 | 3.5 | .012 | .30 | .027 | .69 | .291 | 7.39 | 49 | 161 | 94 | 308 | | | | |
| | | | | | 500 | 152.4 | 34.5 | 15.7 | | | | | | | | | | | | | | |
| | | | | | 1000 | 304.8 | 73.0 | 33.1 | | | | | | | | | | | | | | |

TC = Tinned Copper

* Capacitance between conductors.

** Capacitance between one conductor and other conductors connected to shield.

† Manufactured to Government specifications: MIL-W-16878 Rev. D.

†† Conductors cabled.