

Miniature Contacts

Performance Characteristics

- Insulation Resistance** — 5000 megohms min
- Dielectric Withstanding Voltage** — 1,000 volts rms for 1 minute
- Contact Resistance** — 2.0 mill ohms @ 1 ampere
- Low-Level Conductivity** — 10 milli-volts DC min.
- VSWR** — 1.3 to 1.0 @ 1,000 MHz max.
- Cable Retention** —

| RG/U Cable | Retention lbs [N] |
|------------|-------------------|
| 58C | 50 [222] |
| 188A | 30 [133] |
| 180B | 28 [125] |
| 195A | 16 [71] |

- Durability** — 500 cycles @ 10 cycles per minute max.
- Vibration** — 2 hrs. per MIL-STD-202, Method 201
- Shock** — 50 G's per MIL-Std-202, Method 213, Cond. G
- Temperature Cycling** — 5 cycles per MIL-STD-202, Method 102 Cond. C.

Temperature Range — -55°C to +125°C

Test Method for Electronic and Electrical Component Parts — MIL-STD-202

Material

- Outer Shell** — Brass per MIL-C-50
- Center Conductor** — Brass per QQ-B-626, or Beryllium copper per QQ-C-533

Note:
A ferrule and retention spring (201142-2) are required for each pin and socket.
Extraction Tool No. 305183-8

Inner Dielectric — Polypropylene, nylon, or polymethylene, general purpose

Retention Spring — Stainless steel per QQ-S-766

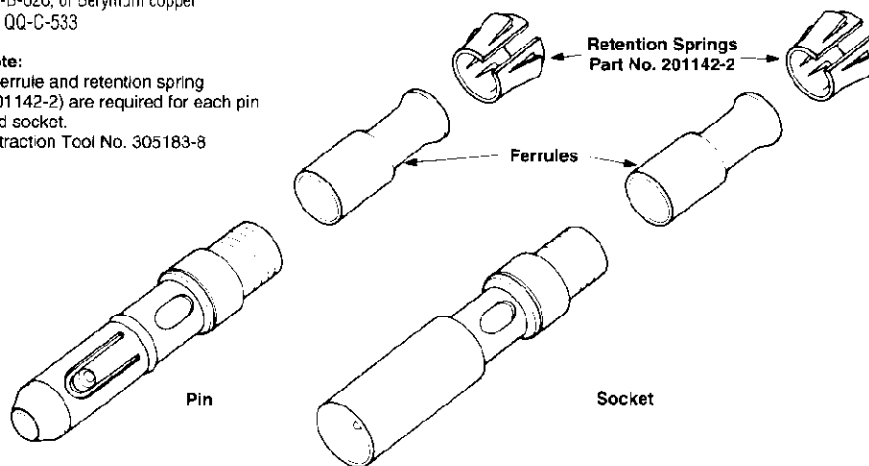
Ferrule — Copper per QQ-C-576

Finish

Outer Shell, Center Conductor — 0.00076 [.00003C] gold over 0.00076 [.000030] nickel

Retention Spring — Nickel per QC-N-290

Ferrule — Bright tin-lead per MIL-T-10727



| RG/U Cable | Ferrule No. | Integral Die Hand Tool | Die Insert for Tools: Hand Tool 69710-1 Pneu. 69365-2, 69365-3* | Part Numbers | |
|--|-------------|------------------------|---|--------------|-----------|
| | | | | Pin | Socket |
| 178, 178A, 178B 196 196A | 323667 | 69186-2 | 69373 | 201511-1 | 201512-1 |
| 316, 188, 188A 174 | 323666 | 45633-2 | 69227-2 | 201143-5 | 201144-5 |
| 179, 179A, 179B 161, 167, 187A Be den 3221 | 323666 | 45633-2 | 69227-2 | 201143-1 | 201144-1 |
| 186 Double Braid 315 Double Braid | 221848-3 | 58293-1 | 69227-2 | 201143-5 | 201144-5 |
| 122 | 326664 | 45633-2 | 69222-2 | 201145-1 | — |
| 180, 180A, 180B 195, 195A 21-597 | 326664 | 45633-2 | 69222-2 | 201145-2 | 201146-2 |
| Belden 8218 | 326664 | 45633-2 | 69222-2 | 201145-2 | 201146-2 |
| 58, 58A, 58B, 58C | 326663 | 45743-2 | 69220-2 | 201145-4 | 201146-4 |
| 141 55, 55A, 55B, 223 | 330478 | 69243-4 | 69315-4 | 201145-4 | 201146-4 |
| 124, 140, 210 62, 62A, 62F 59, 59A, 59B | 329006 | — | 69675-1 | 201097-1* | 201098-1* |
| Twisted Pair | | | | | |
| 28-26 AWG [0.08-0.15 mm] (Solid) | 326667 | 69186-2 | 69373 | 201511-1 | 201512-1 |
| 24-22 AWG [0.2-0.4 mm] (Stranded) | 326666 | 45633-3 | 69672 | 201143-5 | 201144-5 |
| Shielded Wire 22, NAS-702, Class B | 326663 | 45743-2 | 69220-2 | 201145-4 | 201146-4 |
| B-and-Rex 5788A 26 AWG [0.12-0.155 mm] | 326664 | 45633-2 | 69222-2 | 201145-2 | 201146-2 |

*These contacts are for use in the 4-position G Series connector modules only.
 †Maximum insulation diameter—2.03 [.080] (two wires combined).
 ‡Maximum insulation diameter—2.92 [.115] (two wires combined).
 ‡Includes bench mount and foot control; requires Manual Take-Up Attachment No. 69689.
 †Dielectric O.D.—2.69 [.106] max.; Cable O.D.—4.06 [.160].