



The CA178 cable assemblies offered by Laird are engineered for peak performance up to 6 GHz. They are tested 100% and certified to meet performance specifications. Equipment manufacturers require certified cable assemblies to minimize system losses to within known parameters and these cable assemblies meet those requirements. The manufacturing processes and raw materials are well controlled in order to provide very consistent performance from lot to lot.

FEATURES

- Consistent low loss design construction
- 100% tested and certified to meet specifications
- Various connector options available
- Flexible high temperature kink resistant cable jacket

MARKETS

- High performance wireless systems
- OEM equipment
- WiMAX

INSERTION LOSS BY FREQUENCY



| PARAMETER | CA178-NFB-UFL-8 | CA178-NFB-UFL-12 |
|-------------------------------|-------------------------|-------------------------|
| Insertion loss (700-5825 MHz) | -1.5 dB max | -2.5 dB max |
| Length | 8 in (203 mm) | 12 in (305 mm) |
| Weight | 1.4 oz (40 gm) | 1.5 oz (43 gm) |
| Connector types | N female bulkhead - UFL | N female bulkhead - UFL |
| N connector seal | O-ring | O-ring |
| Contact plating | Gold | Gold |
| Operating temperature | -40 to +125°C | -40 to +125°C |

SYSTEM ORDERING

- CA178-NFB-UFL-8 N Female Bulkhead to U.FL 8 in
- CA178-NFB-UFL-12 N Female Bulkhead to U.FL
- CA178-NM-UFL-8 12 in N Male to U.FL 8 in
- CA178-NM-UFL-12 N Male to U.FL 12 in

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Smart Technology. Delivered.

RF Cable Assembly

CA178

700 MHz to 5.82 GHz

| PART NUMBER | CONNECTOR 1 | CONNECTOR 2 | CABLE LENGTH (INCHES) | CABLE TYPE | MAX INSERTION LOSS (DB) |
|------------------------|---------------------------------------|---------------------------|-----------------------|---------------------|-------------------------|
| CA100-NFB-MC-12 | N female bulkhead | MC-card | 12 | LMR100 (equivalent) | 1.5 |
| CA100-NFB-MMCX-12 | N female bulkhead | MMCX | 12 | LMR100 (equivalent) | 1.5 |
| CA100-NFB-RASMAM-12 | N female bulkhead | Right angle SMA male | 12 | LMR100 (equivalent) | 1 |
| CA100-NFB-RMMCX-12 | N female bulkhead | Reverse polarity MMCX | 12 | LMR100 (equivalent) | 1.5 |
| CA100-NFB-RSMAM-12 | N female bulkhead | Reverse polarity SMA male | 12 | LMR100 (equivalent) | 1 |
| CA100-NFB-RTNCM-12 | N female bulkhead | Reverse polarity TNC male | 12 | LMR100 (equivalent) | 1 |
| CA100-NFB-SMAM-8 | N female bulkhead | SMA male | 8 | LMR100 (equivalent) | 0.8 |
| CA100-NM-MC-12 | N male | MC-card | 12 | LMR100 (equivalent) | 1 |
| CA100-NM-MMCX-12 | N male | MMCX | 12 | LMR100 (equivalent) | 1 |
| CA100-NM-RASMAM-12 | N male | Right angle SMA male | 12 | LMR100 (equivalent) | 1 |
| CA100-NM-RSMAM-12 | N male | Reverse polarity SMA male | 12 | LMR100 (equivalent) | 1 |
| CA100-NM-RTNCM-12 | N male | Reverse polarity TNC male | 12 | LMR100 (equivalent) | 1 |
| CA100-RPSMAM-RASMAM-12 | Reverse polarity SMA male | Right angle SMA male | 12 | LMR100 (equivalent) | 1 |
| CA100-RPTNCF-NC-6 | Reverse polarity TNC female bulkhead | No connector | 6 | LMR100 (equivalent) | 0.5 |
| CA100-RPTNCM-RASMAM-12 | Reverse polarity TNC male | Right angle SMA male | 12 | LMR100 (equivalent) | 1 |
| CA100-TNCF-NC-6 | TNC female bulkhead | No connector | 6 | LMR100 (equivalent) | 0.5 |
| CA178-NFB-UFL-12 | N female bulkhead | U.FL | 12 | RG178 hi freq | 2 |
| CA178-NFB-UFL-8 | N female bulkhead | U.FL | 8 | RG178 hi freq | 1.5 |
| CA178-NM-UFL-12 | N male | U.FL | 12 | RG178 hi freq | 2 |
| CA178-NM-UFL-8 | N male | U.FL | 8 | RG178 hi freq | 1.5 |
| CA178-RTNCB-MMCX-4 | Reverse polarity TNC bulkhead (black) | | 4 | RG178 hi freq | 0.8 |
| CA178-RTNCB-MMCX-6 | MMCX Reverse polarity TNC bulkhead | | 6 | RG178 hi freq | 1 |
| CA178-RTNCB-UFL-6 | (black) MMCX Reverse polarity TNC | | 6 | RG178 hi freq | 1 |
| CA400-NM-NM-48 | N male bulkhead (black) | U.FL N male | 48 | LMR400 (equivalent) | 0.8 |
| CA58-NM-MCX-197 | N male | MCX | 197 | RG58/u (white) | 5 |
| CA58-SMA-MCX-96 | Right angle SMA male | MCX | 96 | RG58/u (white) | 2.5 |
| CA58-SMA-NF-96 | Right angle SMA male | N female bulkhead | 96 | RG58/u (white) | 2.5 |
| CA58-SMA-RSMA-96 | Right angle SMA male | Reverse polarity SMA male | 96 | RG58/u (white) | 2.5 |
| CA58-SMA-RTNC-96 | Right angle SMA male | Reverse polarity TNC male | 96 | RG58/u (white) | 2.5 |
| CA58-SMA-SMAF-96 | Right angle SMA male | SMA female bulkhead | 96 | RG58/u (white) | 2.5 |

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