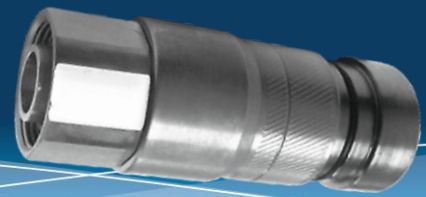


# UAL-MDM-540



## UAL-MDM-540 DATA SHEET

### 4.1–9.5 Mini DIN Male Connector for 540 Smoothwall Cables

| Mechanical                                | Specification  | Comment   |
|---|--|---|
| Pull Force Combined                       | > 200 lbs   .89 kN   | Cable limited   |
| Cable/Connector Torque                    | 5 ft-lbs   6.7 N-m   | Cable limited   |
| Interface Durability                      | 500 Cycles   |   |
| Electrical                                | Specification  | Comment   |
| Frequency Range                           | DC to 6 GHz  |   |
| Impedance                                 | 50Ω Nominal  |   |
| Average Return Loss (VSWR) DTF            | > -40dB (1.02) 0–1 GHz, > -36dB (1.03) 1–2 GHz, > -32dB (1.05) 2–4 GHz, -28dB (1.08) 4–6 GHz | As per Anatel 75 *Measured at room temperature. Results may vary based on cable dimensional changes during temperature fluctuation. |
| Insertion Loss                            | < .1√F(GHz)  |   |
| 3rd Order IMD                             | -153 dBc minimum, -160 dBc typical   | As per IEC 62037-2, -3  |
| Voltage Withstand                         | > 3.0 kV   |   |
| Shielding Effectiveness                   | < -120dB   | 0–1 GHz   |
| Insulation Resistance                     | 10GΩ initial, 100MΩ after conditioning   |   |
| Environmental                             | Specification  | Comment   |
| Operating Temperature/Storage Temperature | -55°C to +85°C / -55°C to +85°C  |   |
| Interface Moisture                        | No leakage, mated or unmated > 1.0 Bar   |   |
| Moisture Ingress                          | No leakage   | ANSI/SCTE60 2004, IP-67, IP-68, IEC 60529   |
| Corrosion Resistance                      | 1000 Hours   |   |
| H.A.L.T.                                  | 40 Hours   |   |
| General                                   | Specification  | Comment   |
| Cable Supported                           | CommScope FXL-540, FXL-540NHR, CR-540, Times Fiber TX540                                     |   |
| Weight                                    | .310 lbs.   141g   |   |
| WPS Weather Protection                    | WPS-NMD-12A  |   |
| Length                                    | 2.720"   69.1mm  |   |
| Outer Diameter                            | 1.040"   37.8mm  |   |
| Hex Width                                 | 0.87"   22mm   |   |
| Tools                                     | Specification  | Comment   |
| Cable Preparation                         | SP-540   |   |
| Connector Compression                     | HCG-FRAMESET-1/2, HCG-CC   | Insert C  |
| Torque Wrench                             | TQ-78-F8   | 8 ft-lbs   10.8 N-m   |