

Series 6 Economy Compression Connector, Torque Retaining, 21mm

CX-CN-FE6L



SPECIFICATIONS

FEATURES AND BENEFITS

- Wide bandwidth performance from **5 to 3000 MHz**, suitable for broadband, CATV, satellite, and high-frequency applications
- **Excellent return loss and low insertion loss** for superior signal integrity
- **High shielding effectiveness (≥ 100 dB)** to minimize signal leakage and external interference
- Compatible with **Series 6 cables**, including standard and quad-shield constructions
- Robust mechanical design ensures **high cable retention** and reliable long-term performance
- Designed to withstand **high tightening torque** for secure installation
- Wide **operating temperature range** for indoor and outdoor applications
- Compatible with **standard 21 mm compression tools**, offering installation flexibility

GENERAL SPECIFICATION

- **Impedance:** 75 Ohms (Nominal)
- **Bandwidth:** 5 – 3000 MHz
- **Operating Temperature:** –40 to +140 °F (–40 to +60 °C)
- **Cable Type:** Series 6 cable (standard through quad-shield)
- **Mating Mechanism:** 7/16 Hex, 3/8-32 UNEF-2B threading
- **Compression Tool Stroke Length:** 21 mm
- **Installation Torque (Max):** 60 in-lbs

Parameter	Specification
Bandwidth	5 to 3000 MHz
Impedance	75 Ohms (Nominal)
Return Loss	5–1002 MHz: ≤ -30 dB 1002–2150 MHz: ≤ -25 dB 2150–3000 MHz: ≤ -18 dB
Shielding Effectiveness	≥ 100 dB (5–3000 MHz)
Insertion Loss	≤ 0.2 dB @ 3000 MHz
Operating Temperature	–40 to +140 °F (–40 to +60 °C)
Cable Range	Series 6 cable, standard through quad-shield
Tightening Torque	60 in-lbs
Cable Retention	≥ 40 lbs
Compatible Tools	21 mm compression tools (CX-AC-AOC, CX-AC-UCTX-11)

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