

Telco LCU400 Coaxial Cable

Telco LCU400 is a 50Ω 10.3mm diameter ultra low loss coaxial cable, designed for high frequency microwave, radar, GPS, UHF, and cellular communications with a service life in excess of 20 years. APA tape and tinned copper braid provide LCU400 with RF shielding in excess of 90dB, and a 2.74mm stranded bare copper core provides a low capacitance and high conductance.

Telco LCU400 cabling is designed for maximum weather resistance and usability. LCU400 dB-FLEX utilises a 7-strand bare copper centre conductor permitting repeated bending and much greater flexibility, allowing an incredibly tight bend radius. Telco LCU400 dB-FLEX has a UV-stable TPE (Thermoplastic Elastomer) jacket designed for harsh outdoor environments while maintaining maximum flexibility and minimising plastic memory (for improved wall-cavity feeding).

Electrical Specifications	
Resistance:	50Ω
Capacitance:	78.4pF/m
Signal Loss (typical, terminated cable):	- 0.145dB/m @ 850MHz - 0.151dB/m @ 940MHz - 0.229dB/m @ 1810MHz - 0.259dB/m @ 2170MHz
Frequency Range:	DC-16GHz
Velocity of Propagation:	85%
Nominal Delay:	3.92ns/m
Voltage Withstand:	2500Volts DC
Peak Power:	16kW

Mechanical/Environmental Specifications	
Weight/100m:	12.8kg
Minimum Bend Radius:	25.4mm
Operating Temperature:	-40 °C to 85 °C (-40 °F to +185 °F)
Conductor Material:	7 Strand Bare Copper (2.74mm)
Insulating Material:	Gas Injected Foamed Polyethylene (7.24mm)
Outer Shield Material:	- (1) Sealed APA Tape 100% Coverage (7.37mm) - (2) Tinned Copper Braid 98% Coverage (8.17mm)
Outer Jacket Material:	Thermoplastic Elastomer (TPE), Hone Finish (10.3mm)
Outer Diameter:	10.3mm