

Coaxial Cable Assemblies

M/N: C200-RG58-10, C200-RG58-20, C200-RG58-25, C200-195-10, C200-195-20, C200-195-25, C200-240-10, C200-240-20, D11-0020-05012

Nextivity C200 coaxial cable assemblies with RG58, LMR195, and LMR240 cable types provide reliable in-building signal transmission to donor and server antennas for CEL-FI GO G41, CONNECT C41 and GO G51 systems. Designed with a solid copper core and braided copper shield, C200 coaxial cable assemblies are ideal when either routing cables in tight spaces with the flexibility of RG58 or relatively superior shielding and lower loss with LMR195 and LMR240 cable types. These cable assemblies are terminated with 50-ohm SMA RF connectors at each end and are available in 10 m, 20 m, and 25 m lengths.



COAXIAL CABLE

Features and benefits include:

- Designed to minimize signal attenuation between donor and server antennas while providing cable length extension.
- Wideband operation from 617-6000 MHz supporting all CEL-FI products.
- Easy to install with SMA connectors without needing additional tools.
- Ideal for CEL-FI GO G41, CONNECT C41 and GO G51 systems.
- Use with donor and server antennas having SMA (m) interface.

RG58 Cable Specifications

Frequency	DC to 6 GHz
Inner Conductor Diameter	0.032 ± 0.0008 in (0.81 ± 0.02 mm) nom., Tinned Copper
Outer Conductor Width	90 % Coverage, 0.16 in (3.95 mm) nom., Tinned Copper Braid
Dielectric Diameter	0.116 ± 0.0059 in (2.95 ± 0.15 mm) nom., Translucent Solid Polyethylene
Jacket	White PVC
Cable Diameter	0.195 in (4.95 mm) nom.
Attenuation	10.68 dB/100 ft (35.00 dB/100 m) @ 1GHz
Capacitance	30.80 pF/ft (101.05 pF/m)
Velocity Ratio	66 %
Shielding	90 dB min.
Return Loss	9.5 dB typ.
Impedance	50 ± 2 Ω
Bend Radius	0.98 in (25.00 mm) nom.
Operating Temperature	-13 to 158 °F (-25 to +70 °C)
Dielectric Voltage Withstand	1900 Vrms
Environment Suitability	Indoor only

LMR195 Cable Specifications

Frequency	DC to 6 GHz
Inner Conductor Diameter	0.037 ± 0.0008 in (0.94 ± 0.02 mm) nom., Solid Copper
Outer Conductor Width	0.47 in (12 mm) nom., Bonded Aluminum Foil
Outer Conductor Thickness	0.00138 in (0.035 mm) nom., Bonded Aluminum Foil
Outer Braid Width	80 % Coverage, 0.139 in (3.53 mm) nom., Tinned Copper Braid
Dielectric Diameter	0.1102 ± 0.0059 in (2.80 ± 0.15 mm) nom., White Foam Polyethylene
Jacket	White PVC
Cable Diameter	0.195 ± 0.0059 in (4.95 ± 0.15 mm) nom.
Attenuation	14.50 dB/100 ft (47.70 dB/100 m) @ 1.5GHz
Capacitance	20.42 pF/ft (67 pF/m)
Velocity Ratio	82 %
Shielding	90 dB min.
Return Loss	9.5 dB typ.
Impedance	50 ± 2 Ω
Bend Radius	0.98 in (25.00 mm) nom.
Operating Temperature	-13 to 158 °F (-25 to +70 °C)
Dielectric Voltage Withstand	5000 Vrms
Environment Suitability	Indoor only

LMR195 Cable Specifications

Frequency	DC to 6 GHz
Inner Conductor Diameter	0.0559 ± 0.0008 in (1.42 ± 0.02 mm) nom., Solid Copper
Outer Conductor Width	0.63 in (16 mm) nom., Bonded Aluminum Foil
Outer Conductor Thickness	0.00177 in (0.045 mm) nom., Bonded Aluminum Foil
Outer Braid Width	80 % Covergage, 0.178 in (4.52 mm) nom., Tinned Copper Braid
Dielectric Diameter	0.15 ± 0.0059 in (3.81 ± 0.15 mm) nom., White Foam Polyethylene
Jacket	White PVC
Cable Diameter	0.24 ± 0.0059 in (6.10 ± 0.15 mm) nom.
Attenuation	9.9 dB/100 ft (32.52 dB/100 m) @ 1.5GHz
Capacitance	24.20 pF/ft (79.4 pF/m)
Velocity Ratio	84 %
Shielding	90 dB min.
Return Loss	9.5 dB typ.
Impedance	50 ± 3 Ω
Bend Radius	0.98 in (25.00 mm) nom.
Operating Temperature	-13 to 158 °F (-25 to +70 °C)
Dielectric Voltage Withstand	5000 Vrms
Environment Suitability	Indoor only

Ordering Information

Model#	GTIN-12 (U.P.C.)	Harmonized Tariff Schedule (HTS)	Export Control Classification Number (ECCN)	Length	Cable Type	Interface 1	Interface 2
C200-RG58-10	812037032240	8544.20.00.00	EAR99	32.8 ft (10 m)	RG58	SMA (m)	SMA (f)
C200-RG58-20	812037032233	8544.20.00.00	EAR99	65.6 ft (20 m)			
C200-RG58-25	812037033025	8544.20.00.00	EAR99	82.0 ft (25 m)			
C200-195-10	812037032202	8544.20.00.00	EAR99	32.8 ft (10 m)	LMR195		
C200-195-20	812037031663	8544.20.00.00	EAR99	65.6 ft (20 m)			
C200-195-25	812037033322	8544.20.00.00	EAR99	82.0 ft (25 m)			
D11-0020-05012	812037033339	8544.20.00.00	EAR99	1.6 ft (0.5 m)	LMR240		N-type (m)
C200-240-10	812037032219	8544.20.00.00	EAR99	32.8 ft (10 m)			SMA (f)
C200-240-20	812037032226	8544.20.00.00	EAR99	65.6 ft (20 m)			