



18GHZ LOW LOSS RF COAX CABLE ASSEMBLIES WITH STAINLESS STEEL CONNECTORS

LL335 50 Ohm 18GHz Low Loss Coaxial Cables



Features:

- Strain Relief:** Heavy duty adhesive strain relief with Neoprene jacket
- Center Conductor:** Solid Silver-plated copper
- Inner Braid:** Flat Silver plated copper strip
- Outer Braid:** Round Silver-plated copper braid
- Dielectric:** Expanded PTFE (Polytetrafluoroethylene) tape
- Jacket:** ETFE
- Cable Outer Dia.** 0.293 (7.44mm)
- Connectors:** SST, corrosion-resistant 303 stainless steel per ASTM-A582 (Passivated finish per SAE-AMS-2700)
- Center Pin:** GPBC(Gold-plated beryllium copper)
- Jacket Color:** Grey
- Operating Temperature:** -45°C to +125°C
- Minimum Bend Radius:** 1.5"



Custom Lengths Available

Available Connector Terminations:

- SMA Male
- Type N Male
- Type N Bulkhead Female
- Type N Male Right Angle
- TNC Male



Electrical Specifications:

- Impedance:** 50 Ohms
- Frequency:** Up to 18 GHz
- Insertion Loss:** <0.22 dB/ft at 18GHz
- VSWR: (SMA Conn.)** <1.30 to 18GHz
- (N-Type Conn.)** <1.35 to 18GHz
- Nominal Capacitance:** 24 pF/ft
- Velocity of Propagation:** 85%
- RF Shielding:** <-100 dB
- Attenuation (dB/ft):** 0.03 Typ. @ 500MHz
- *connector loss not included** 0.045 Typ. @ 1GHz
- 0.08 Typ. @ 3GHz
- 0.11 Typ. @ 6GHz
- 0.16 Typ. @ 12GHz
- 0.20 Typ. @ 18GHz

Connector Corrosion (salt spray):

MIL-STD-202, method 101, test cond. B 5% salt solution.

Connector Durability:

500 connections Min.

Avg. Power in (Kwatts):

- 7.90 @ 500MHz
- *Rating of Actual Cable only 5.47 @ 1GHz
- *specified at 25°C/Sea Level 3.00 @ 3GHz
- 2.02 @ 6GHz
- 1.33 @ 12GHz
- 1.04 @ 18GHz

Part Number	Description	Length
CCSMA-MM-LL335-36	LL335 Low Loss Coax Cable, SMA Male/Male, Straight/Straight	36"
CCSMA-MM-LL335-48	LL335 Low Loss Coax Cable, SMA Male/Male, Straight/Straight	48"
CCSMA-MM-LL335-60	LL335 Low Loss Coax Cable, SMA Male/Male, Straight/Straight	60"
CCN-MM-LL335-36	LL335 Low Loss Coax Cable, N-Type Male/Male, Straight/Straight	36"
CCN-MM-LL335-48	LL335 Low Loss Coax Cable, N-Type Male/Male, Straight/Straight	48"
CCN-MM-LL335-60	LL335 Low Loss Coax Cable, N-Type Male/Male, Straight/Straight	60"



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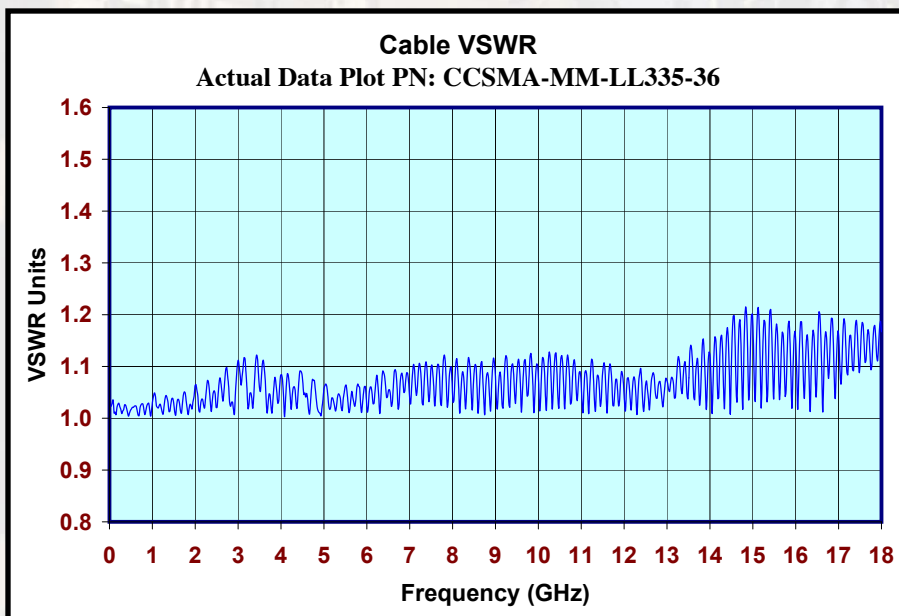
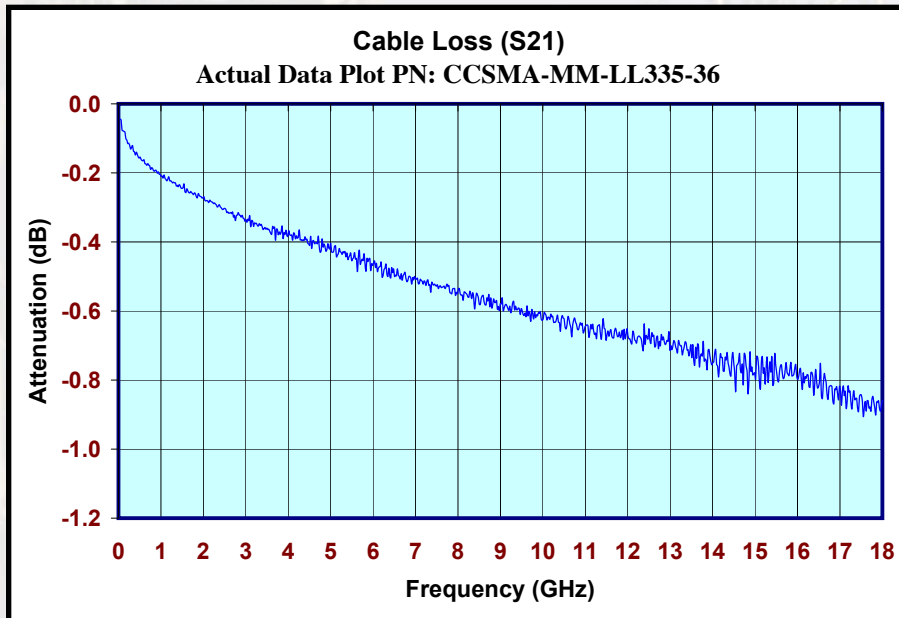
PHONE: 239-561-3311 • 800-237-3061 Rev.: D

FAX: 239-561-1025 • WWW.CRYSTEK.COM Date: 02-21-11



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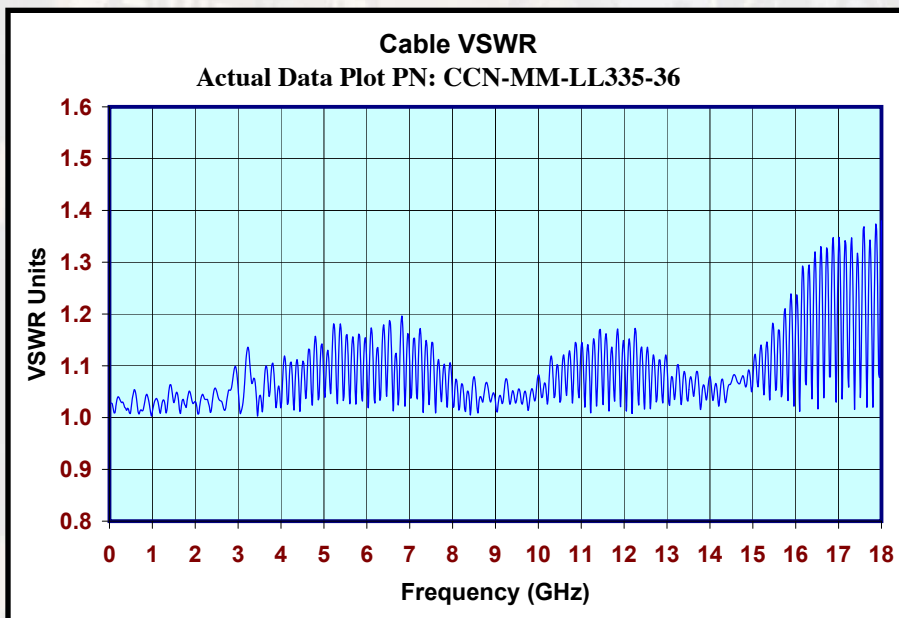
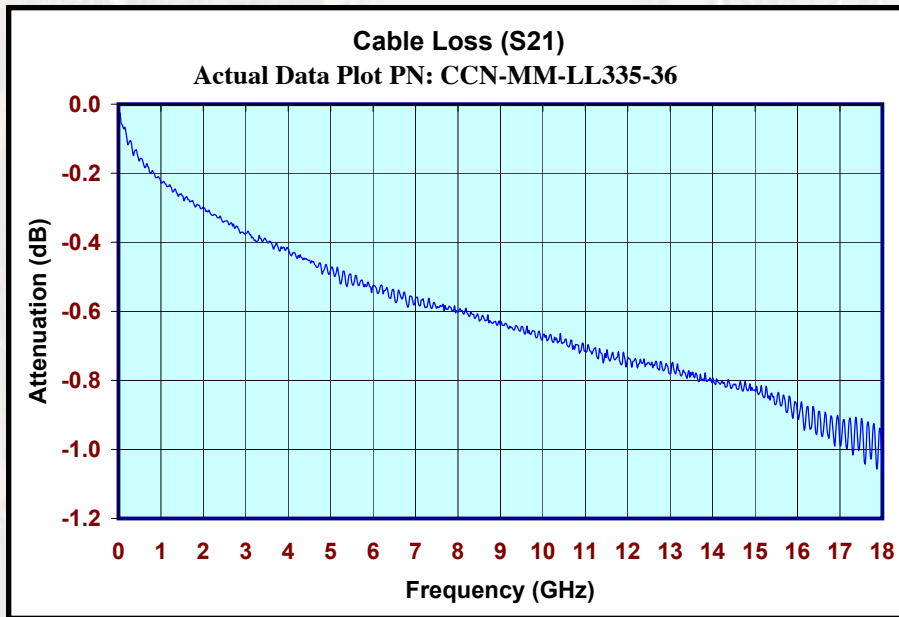
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