



CRYSTEK
MICROWAVE
 A DIVISION OF CRYSTEK CORPORATION

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



Armored 50 Ohm 18GHz Low Loss Coaxial Cables

Features:

- Strain Relief:** Heavy duty adhesive strain relief with Neoprene jacket.
- Center Conductor:** SPCCS (Silver-plated copper clad solid)
- Inner Braid:** Flat Silver plated copper strip
- Outer Braid:** PC (Round Silver-plated copper braid)
- Dielectric:** Expanded PTFE (Polytetrafluoroethylene) tape
- Cable Jacket:** FEP (Fluorinated Ethylene Propylene)
- Connectors:** SST, corrosion-resistant 303 stainless steel per ASTM-A582 (Passivated finish per SAE-AMS-2700)
- Center Pin:** GPBC (Gold-plated beryllium copper)
- Armor Outer Dia.** 0.355 (9.02mm) Max
- Armor:** Type 302 Stainless Steel, Fully Interlocking
- Operating Temperature:** -55°C to +85°C (Also available in -55°C to +125°C)
- Minimum Bend Radius:** 1.5"

Electrical Specifications:

- Impedance:** 50 Ohms
- Frequency:** Up to 18 GHz
- Insertion Loss:** <0.7 dB/ft at 18GHz
- VSWR:** <1.3 to 18GHz
- Nominal Capacitance:** 29.4 pF/ft
- Velocity of Propagation:** 70%
- RF Shielding:** < -110 dB
- Attenuation (dB/ft):** 0.05 Typ. at 400MHz
 *connector loss not included
 0.08 Typ. at 1GHz
 0.11 Typ. at 2GHz
 0.14 Typ. at 3GHz
 0.18 Typ at 5GHz
 0.25 Typ at 10GHz
 0.36 Typ at 18GHz

- Max Power in (Watts):** 1200 @ 400MHz
 *as specified at 25°C
 720 @ 1GHz
 400 @ 3GHz
 310 @ 5GHz
 220 @ 10GHz

Custom Lengths Available

Available Connector Terminations:

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

Connector Corrosion (salt spray):

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

Connector Durability:

500 connections Min.



Note** Cable is weather resistance with continuous neoprene jacket cover over armor.

SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCASMA-MM-LL142-24	Armored LL142 Low Loss Coax Cable, SMA Male/Male	24"
CCASMA-MM-LL142-36	Armored LL142 Low Loss Coax Cable, SMA Male/Male	36"
CCASMA-MM-LL142-48	Armored LL142 Low Loss Coax Cable, SMA Male/Male	48"
CCASMA-MM-LL142-60	Armored LL142 Low Loss Coax Cable, SMA Male/Male	60"



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12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913

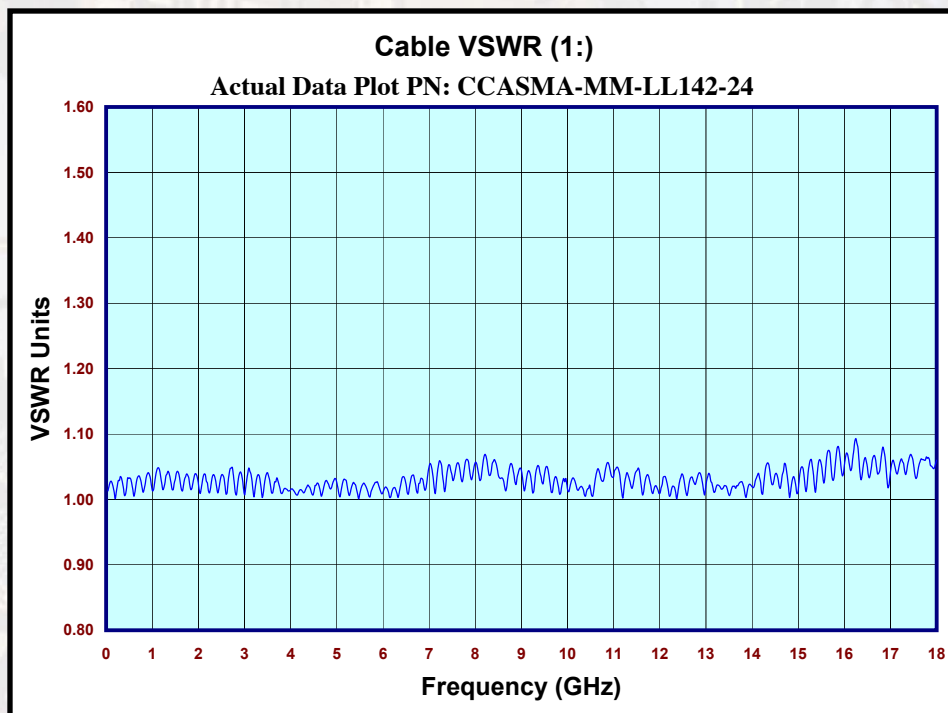
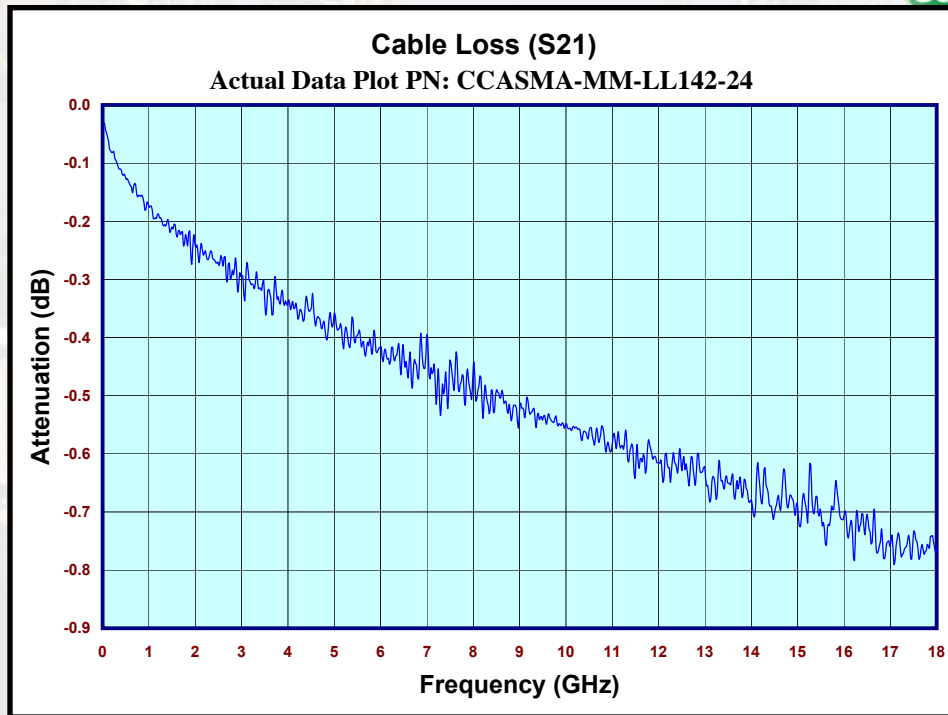
PHONE: 239-561-3311 • 800-237-3061 Rev.: A

FAX: 239-561-1025 • WWW.CRYSTEK.COM Date: 08-02-10



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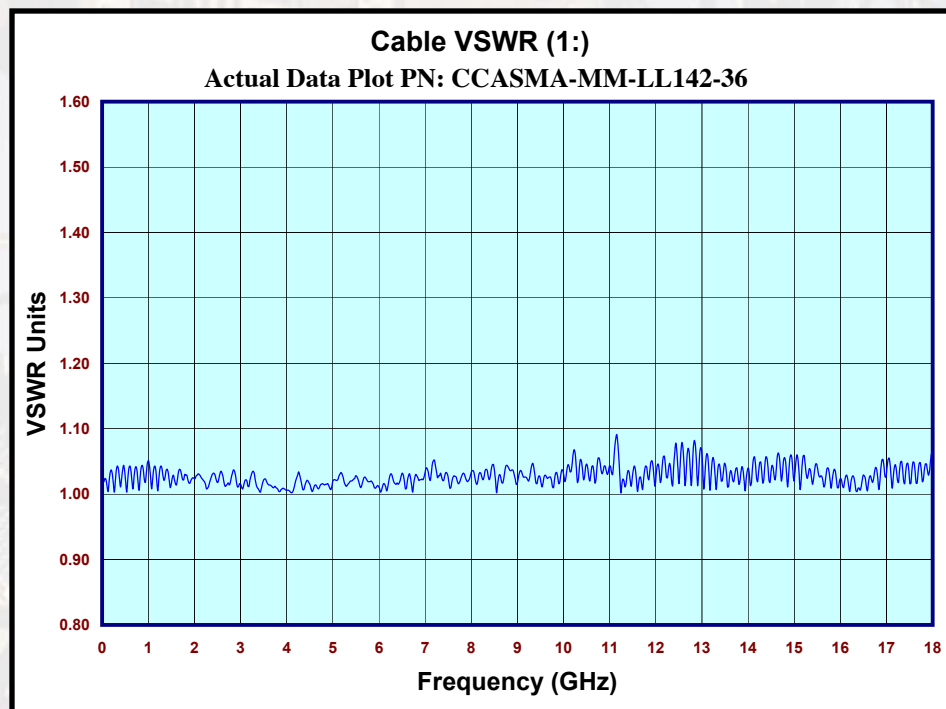
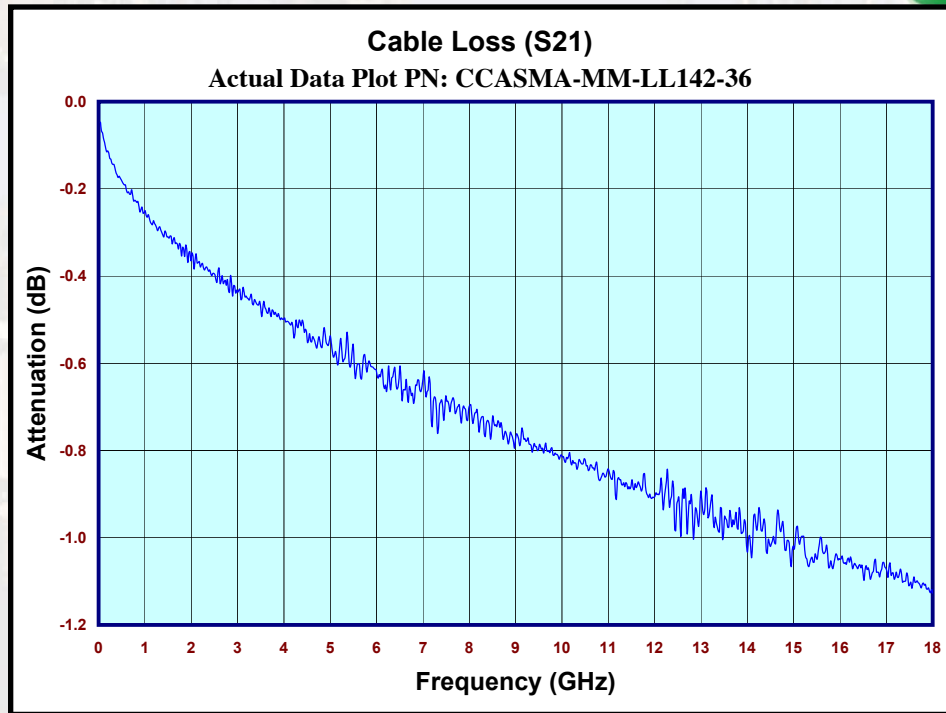
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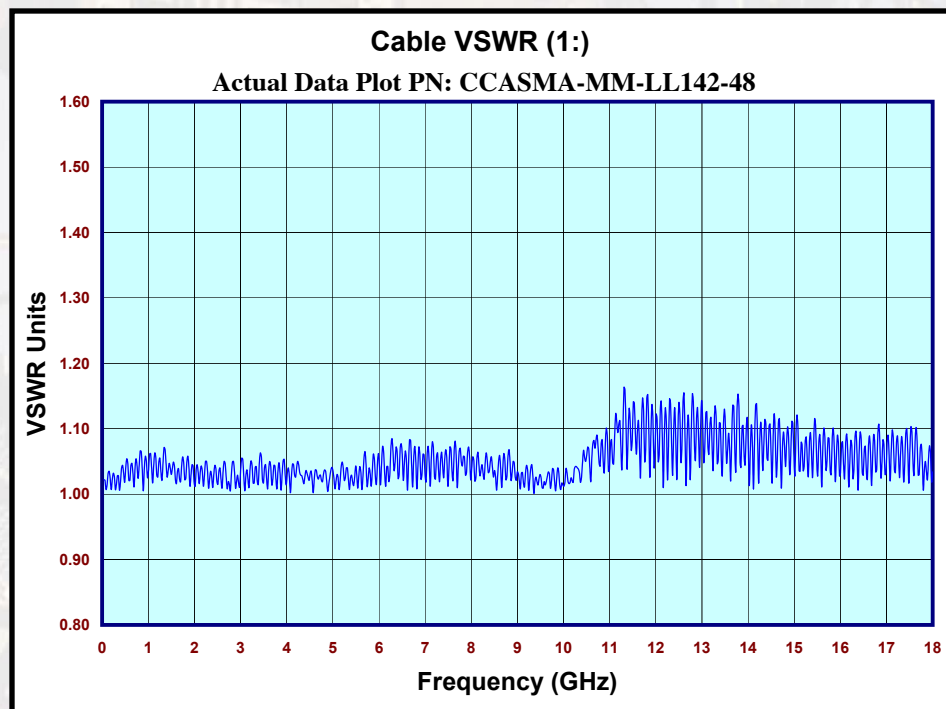
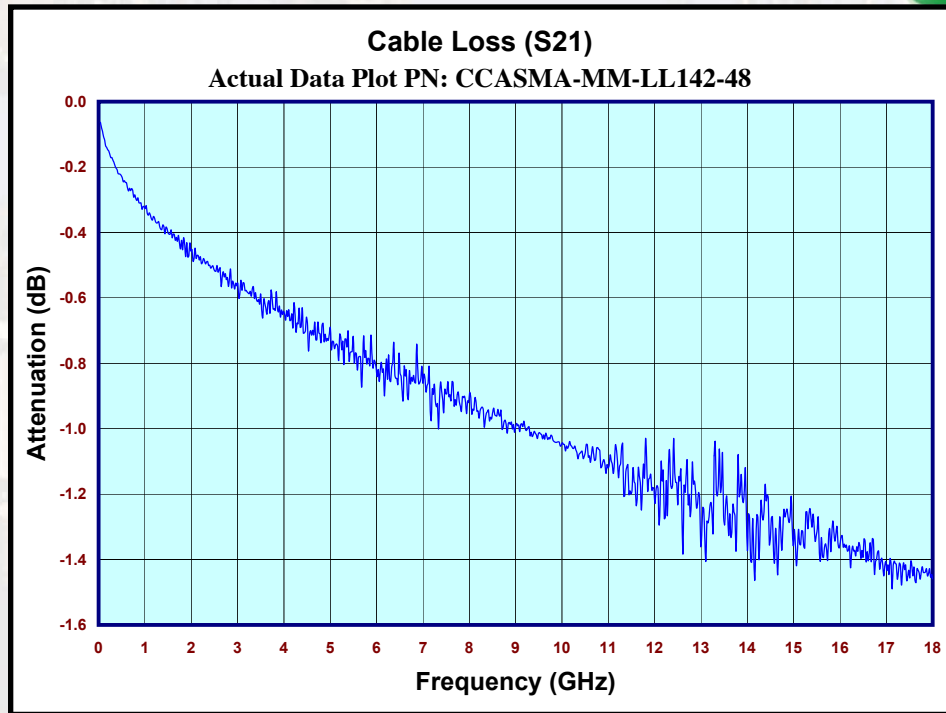
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