



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"

Crush Resistance: Compress OD by 0.003" 1930 lbs. using 3" plate

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.

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"

Electrical Specifications:

Impedance: 50 Ohms

Frequency: Up to 18 GHz

Insertion Loss: <0.36 dB/ft Typ. 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
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
720 @ 1GHz
400 @ 3GHz
310 @ 5GHz
220 @ 10GHz

*as specified at 25°C



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

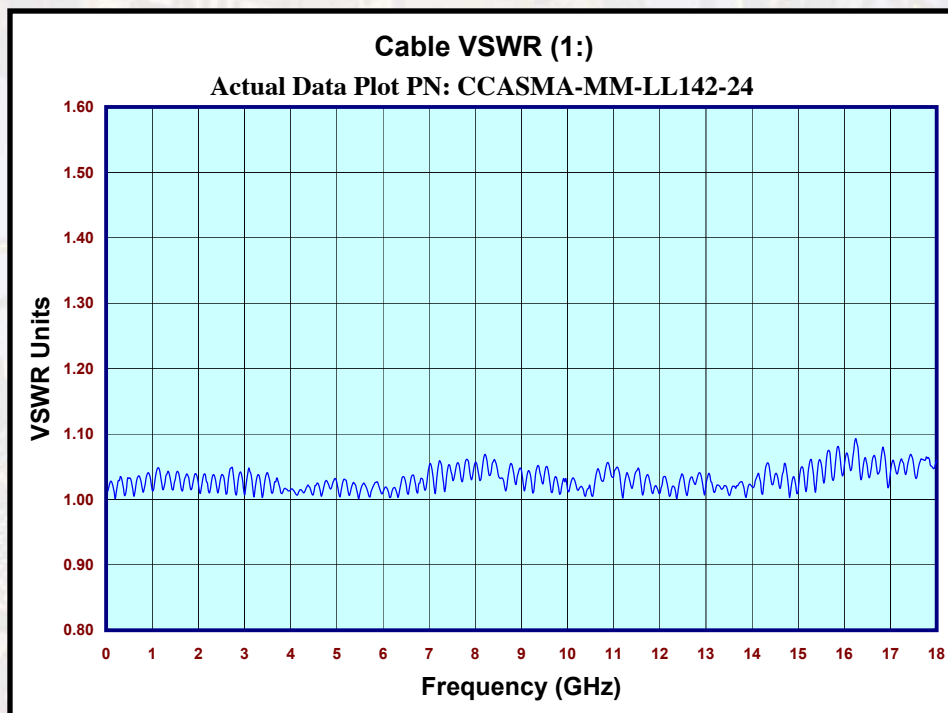
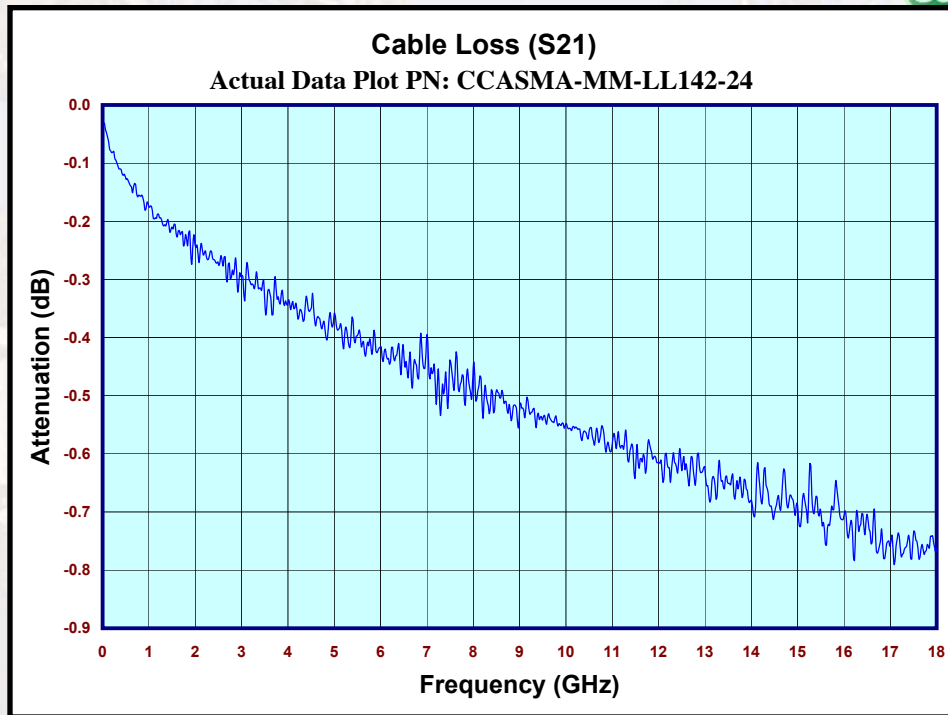


12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913
PHONE: 239-561-3311 • 800-237-3061 Rev.: A
FAX: 239-561-1025 • WWW.CRYSTEK.COM Date: 08-02-10



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MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

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COAX CABLE ASSEMBLIES
WITH STAINLESS STEEL
CONNECTORS**



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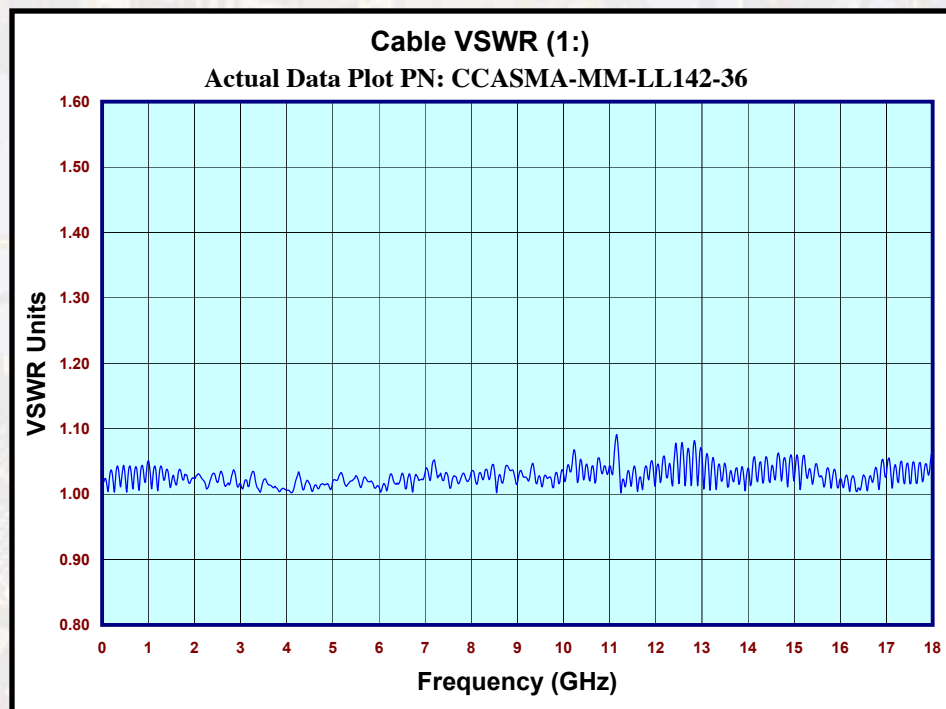
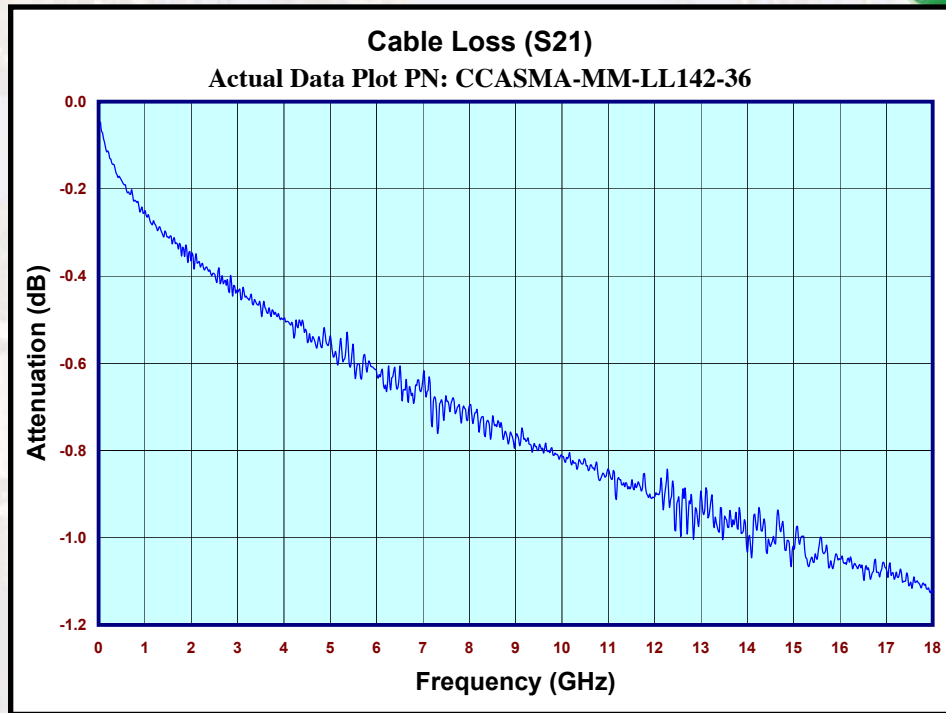
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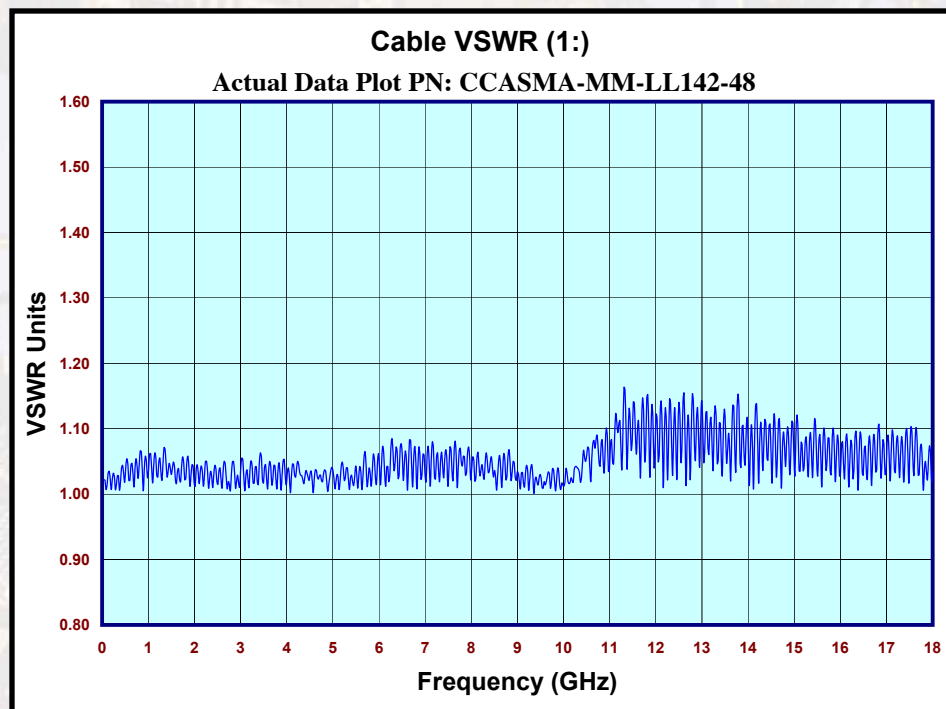
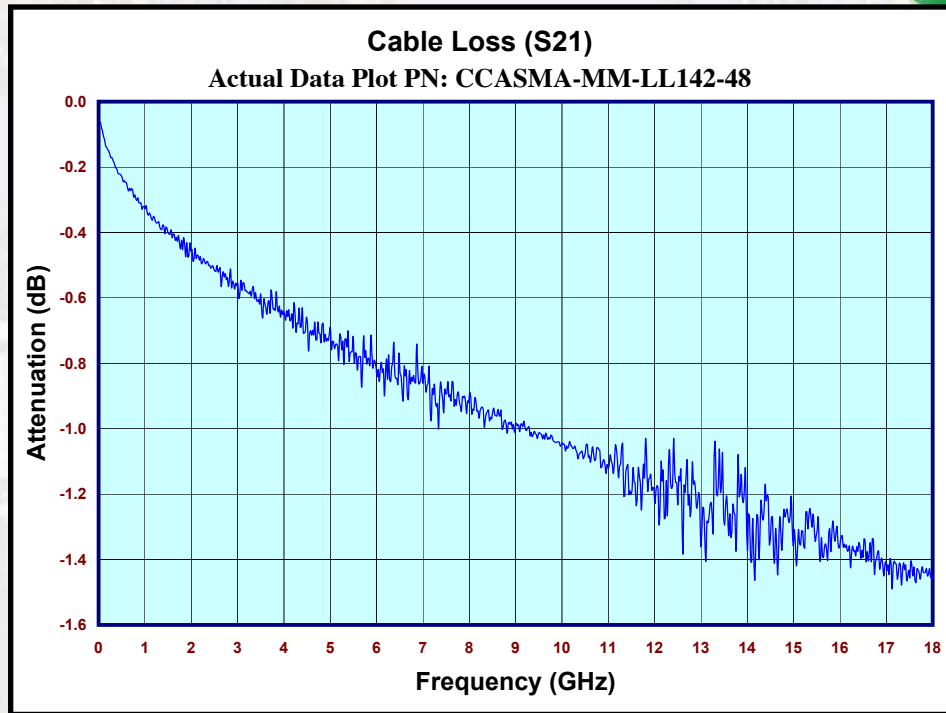
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