

# *RF Coaxial Cable*

*RF Microwave Coaxial Cable*

*Low Density PTFE Core Cable*

*Low Loss Microwave Test Cable*

*MIL-C-17 Coaxial Cable*

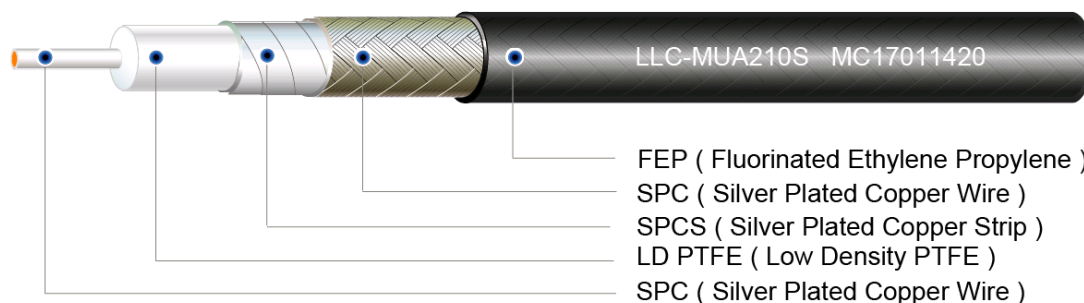


**MUHAN DIGITAL Co., Ltd**

## TEST Cable based on Low Density PTFE Core

LLC-MUA210S

Low Loss Microwave Coaxial Cable



### Construction

Item	Material	Diameter	Remark
Center Conductor	SPC	1.44 mm ( 0.057 inch )	19 Stranded Wire
Dielectric	LD PTFE	4.06 mm ( 0.160 inch )	Low Density PTFE
Inner Shield	SPCS	4.22 mm ( 0.166 inch )	Silver Plated Copper Strip Taping
Outer Shield	SPC	4.72 mm ( 0.186 inch )	Round Silver Plated Copper Wire Braiding
Jacket	FEP	5.33 mm ( 0.210 inch )	Transparent Blue

### Electrical & Mechanical Data

Impedance	50Ω ± 1
Frequency Range	DC-26.5 GHz ( Max. )
Velocity of Propagation	80%
Capacitance	26.2pf/ft ( 86.0pf/m )
Operating Temperature	- 55℃ ~ 165℃
Shield Effectiveness	> - 100 dB ( dB @ 1 GHz )
Power Handling Watts	248 (CW) @ 10 GHz
Flexures	100,000
Min. Bending Radius	0.38inch ( 9.65mm )

### Attenuation

Frequency (GHz)	Max. Attenuation (dB/ft)	Max. Attenuation (dB/m)
1.0	0.11	0.36
10.0	0.36	1.18
18.0	0.50	1.64

**PTFE EXTRUDER**



**Made in USA**

## CABLE PARTS LIST

- *Low Density PTFE Core Cable*
- *Expanded PTFE Tape Core Cable*
- *Low Loss Coaxial Cable*
- *Low Loss Spiral Strip Coaxial Cable*
- *Spiral Strip Coaxial Cable*
- *Flexible Coaxial Cable*
- *Semi Flexible Coaxial Cable*
- *Semi Rigid Coaxial Cable*
- *Miniature Coaxial Cable*
- *Multi Core Cable*

### *Coaxial Cable ( MIL-C-17 )*

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#### ***Flexible Coaxial Cable ( Single & Double Braid )***

- *RG-142* • *RG-174 HF ( Halogen Free PE )* • *RG-178* • *RG-179* • *RG-179 (D)* • *RG-180*
- *RG-188* • *RG-302* • *RG-303* • *RG-316 (S)* • *RG-316 (D)* • *RG-393* • *RG-400* • *RG-400 (D)*
- *RG-402SS ( Spiral Strip Shield Type )* • *RG-405SS ( Spiral Strip Shield Type )*

#### ***Semi-Flexible Coaxial Cable***

- *SF-047 ( None Jacket )* • *SF-047 ( FEP Jacket )* • *SF-047 ( HF Jacket )* • *SF-085 ( None Jacket )*
- *SF-085 ( FEP Jacket )* • *SF-085 ( HF Jacket )* • *SF-086 ( None Jacket )* • *SF-086 ( PVC Jacket )*
- *SF-086 ( HF Jacket )* • *SF-086 ( FEP Jacket )* • *SF-141 ( Non Jacket )* • *SF-141 ( HF Jacket )*
- *SF-141 ( FEP Jacket )* • *SF-141 ( PVC Jacket )* • *SF-250 ( Non Jacket )* • *SF-250 ( HF Jacket )*
- *SF-250 ( PVC Jacket )* • *SF-250 ( FEP Jacket )*

#### ***Semi-Rigid Coaxial Cable***

- *SR-034* • *SR-047* • *SR-085 ( Cu – Sn )* • *SR-085* • *SR-086 ( Cu-PIPE )*
- *SR-086 ( Cu-PIPE / Sn-P )* • *SR-141* • *SR-141 ( Cu-Sn )* • *SR-141 ( Cu-PIPE )*
- *SR-141 ( Cu-PIPE / Sn-P )* • *SR-250 ( Cu Sn / Al-Sn )* • *SR-250 ( Cu-PIPE )* • *SR-250-CS*

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