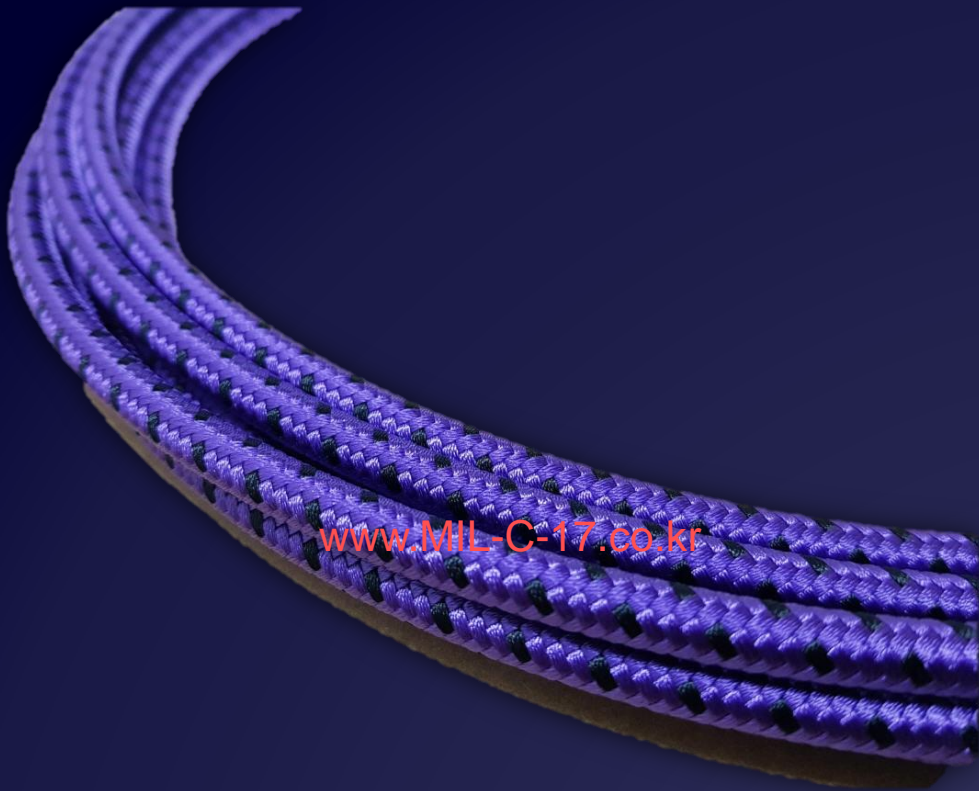


Up to ~ 40GHz
Low Loss
RF, Microwave & MiliMeter-Wave
Coaxial Cables & Assemblies

Low Loss RF, Microwave, MiliMeter-Wave Coaxial Cables & Assemblies
with Highly Excellent Electrical and Physical Performances
for Test & Measurement Applications,
EMC, Military & Communication Fields,
5G Solutions, Lab, Medical, Industry...



DESIGN - DEVELOPMENT - MANUFACTURE

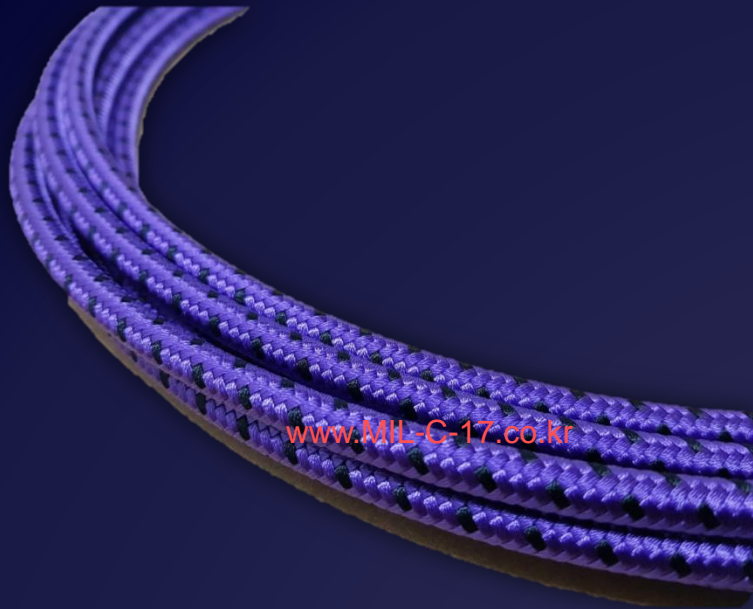
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<p>Low Loss Microwave Cable (~ 18.0 GHz) (~ 26.5 GHz)</p> <p>Low Loss Millimeter -Wave Cable (~ 33.0 GHz) (~ 40.0 GHz)</p>	<p>MUA210ST MUA210SD (~ 26.5 GHz) (~ 33.0 GHz)</p>	<p>Low Density PTFE Dielectric Low Loss Microwave Coaxial Cable Replacement Cable for " Micro-Coax (UFA210B, UFA210A, UFB197C, UFB205A), Semflex (HP190), IW (IW180x), Harbour Industries (LL142), Times Microwave Systems (Silver Line Test Cable for 26.5 GHz) . 3.5mm, SMA, N Type Connector & Assembly</p>
	<p>MUA165SD (~ 40.0 GHz)</p>	<p>Low Density PTFE Dielectric Low Loss Millimeter-Wave Coaxial Cable . 2.92mm Connector & Assembly</p>
	<p>MUA331SD, MUA331ST (~ 18.0 GHz)</p>	<p>Low Density PTFE Dielectric Ultra Low Loss Microwave Coaxial Cable Replacement Cable for " Micro-Coax (UFB311A, UFB293C , LL335, HP305) . SMA, N Type Connector & Assembly</p>
<p>Spiral Strip Shield Microwave Cable (~ 18.0 GHz) (~ 26.5 GHz)</p> <p>Spiral Strip Shield Millimeter -Wave Cable (~ 33.0 GHz) (~ 40.0 GHz)</p>	<p>RG-402SS (~ 18.0 GHz, ~ 26.5 GHz ~ 33.0 GHz)</p>	<p>Phase-Stable Microwave Coaxial Cable Replacement Cable for SS402, Semflex SM402, Tflex-402, Multibend 402 , Multiflex_141 Cable</p>
	<p>RG-405SS (~ 18.0 GHz, ~ 26.5 GHz)</p>	<p>Phase-Stable Microwave Coaxial Cable Replacement Cable for SS405, Semflex SM405, Tflex-405, Multibend 405, Multiflex_86 Cable</p>
	<p>RG-401SS (~ 18.0 GHz)</p>	<p>Phase-Stable Microwave Coaxial Cable Replacement Cable for SS401, Tflex-401, Multibend 401 Cable</p>
	<p>RG-405SS SE40 (~ 40.0 GHz)</p>	<p>Phase-Stable Microwave Coaxial Cable Spiral Strip Shield Millimeter -Wave Cable for up to ~ 40.0 GHz</p>
<p>RG Flexible Cable</p> <p>RG Flexible Cable Military (~ 12.4 GHz)</p>	<p>MIL-C-17 Standard</p>	<p>RG-142, RG-142 PVC Jacket, RG-400, RG-393 PTFE, RG-393 FEP, RG-393 PFA, RG-316 Single, RG-316 Double, RG-174, RG-178, RG-179, RG-179 Double, RG-179 Triaxial Cable, RG-180, RG-302 , RG-302 HF, RG-303, RG-304, RG-316 White (RG-188)</p>
<p>Semi-Flexible Cable (Hand-Formable Cable)</p>	<p>SF-047</p>	<p>SF-047 NJ, SF-047 FEP Jacket</p>
	<p>SF-085</p>	<p>SF-085 NJ, SF-085 FEP Jacket, SF-085 PVC Jacket , SF-085 HF Jacket SF-085 75Ω NJ , SF-085 75Ω FEP Jacket</p>
	<p>SF-141</p>	<p>SF-141 NJ, SF-141 FEP Jacket , SF-141 PVC Jacket , SF-141 SPC NJ ,SF-141 SPC FEP Jacket, SF-141 SPC PVC Jacket SF-141 75Ω NJ, SF-141 35Ω NJ, SF-141 12.5Ω NJ</p>
	<p>SF-171</p>	<p>SF-171 SPC NJ , SF-171 SPC FEP Jacket, SF-171 SPC PVC Jacket</p>
	<p>SF-250</p>	<p>SF-250 SPC NJ , SF-250 SPC FEP Jacket</p>
<p>High Performance (VSWR) Semi-Flexible Cable (Hand-Formable Cable)</p>	<p>High Performance (VSWR)</p>	<p>SF-141 HTA, SF-113 HTA</p>
<p>High Performance (Low Loss) Semi-Flexible Cable (Hand-Formable Cable)</p>	<p>High Performance (Low Loss)</p>	<p>SF-141 LLC, SF-085 LLC</p>
<p>Semi-Rigid Cable</p>	<p>SR-034</p>	<p>Silver Plated Copper Clad Steel Wire (SPCW, SCCS), Tin Plated Copper Tube</p>
	<p>SR-047</p>	<p>Silver Plated Copper Clad Steel Wire (SPCW, SCCS) Tin Plated Copper Tube, Bare Copper Tube</p>
	<p>SR-085</p>	<p>Silver Plated Copper Clad Steel Wire (SPCW, SCCS) Silver Plated Copper Wire (SPC) Tin Plated Copper Tube, Tin Plated Aluminum Tube, Bare Copper Tube</p>
	<p>SR-141</p>	<p>Silver Plated Copper Clad Steel Wire (SPCW, SCCS) Silver Plated Copper Wire (SPC) Tin Plated Copper Tube, Tin Plated Aluminum Tube, Bare Copper Tube</p>
	<p>SR-250</p>	<p>Silver Plated Copper Wire (SPC) Tin Plated Copper Tube, Tin Plated Aluminum Tube, Bare Copper Tube</p>

Ultra Low Loss
Flexible Microwave Coaxial Cable
(~ 18 GHz)

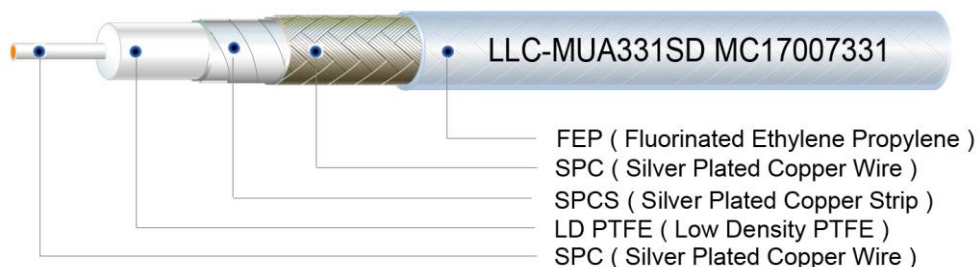
Excellence in VSWR (Return Loss)

MUA331SD
(SMA, N Type Connector & Assembly)



DESIGN - DEVELOPMENT - MANUFACTURE

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MUA331SD**Ultra Low Loss Microwave Coaxial Cable****Construction**

Item	Material	Diameter	Remark
Center Conductor	SPC	2.35 mm (0.093 inch) \pm 0.02mm	Solid
Dielectric	LD PTFE	6.90 mm (0.272 inch) \pm 0.05mm	Low Density PTFE
Inner Shield	SPCS	7.18 mm (0.283 inch) \pm 0.05mm	Silver Plated Copper Strip Taping
Outer Shield	SPC	7.62 mm (0.300 inch) \pm 0.07mm	Round Silver Plated Copper Wire Braiding
Jacket	FEP	8.40 mm (0.331 inch) \pm 0.15mm	Sky Blue

Electrical & Mechanical Data

Impedance	50 Ω
Frequency Range	DC-18 GHz
Velocity of Propagation	80 %
Capacitance	26.2pf/ft (86.0pf/m)
Operating Temperature	- 55 $^{\circ}$ C ~ 200 $^{\circ}$ C
Shield Effectiveness	> - 100 dB (dB @ 1 GHz)
Power Handling Watts	657 (CW) @ 10 GHz
Flexures	5,000
Min. Bending Radius	1.27 inch (32.3mm)

Attenuation

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
0.5	0.13	0.040
1.0	0.19	0.058
3.0	0.33	0.101
5.0	0.43	0.131
6.0	0.48	0.146
10.0	0.63	0.192
18.0	0.87	0.265

SMA-SMA Assembly for up to 18.0 GHz
By MUA331SD 1 Meter Length

