



It's excellence in consistent and repeatable performance. Loss and phase stable with flexure. It can match connector with 2.92mm, 2.4mm, SMA, etc. It's a cost-effective cable assembly and can replace expensive lab test cabs with it.

Frequency (GHz)	Band	VSWR (x.xx:1)	Conn. Loss (dB/ea)	Attenuation (dB/m)		
				147A	147B	147E
1 GHz	UHF	1.05	0.05	0.39	0.53	0.53
5 GHz	S	1.15	0.06	0.88	1.18	1.18
10 GHz	X	1.20	0.08	1.31	1.71	1.71
18 GHz	Ku	1.27	0.10	1.81	2.36	2.36
26.5 GHz	K	1.35	0.15	2.23	2.92	2.92
40GHz	ka	1.44	0.20	2.85		
50GHz	U	1.50				

Electronics					
Shielding Effectiveness, min. (dB@18GHz)			90	90	90
Phase Stability vs. flexure*	10GHz		±2°	±2°	±2°
	18GHz		±3°	±3°	±3°
Power Handling CW at 10GHz (watts)			150	129	110

\* Cable wrapped around a 76.2mm mandrel 360 degrees

Mechanical				
Jacket Diameter, nominal, in(mm)FEP		3.73	3.73	3.95
Static Bend Radius, min. in(mm)		12.5	12.5	12.5
Temperature Range, min., °C		-55 to + 125	-55 to + 125	-40 to + 85
Weight, nominal, (g/m)		36.1	36.1	42.2
Center Conduct		Solid	Stranded	Stranded

Cable Construction	
Inner Conductor	Solid or Stranded Silver-plated Copper Wire
dielectric	Expanded PTFE
Outer Conductor	Silver-Plated Copper strip/Silver-plated Copper Shield
Outer Jacket	FEP (PU for 147E)

Order:

BLU147A- 29m24m- 600P

BLU: Low loss cable assemblies; 147A: Cable model;

29m24m: 1st and 2nd Connector Type, 29: 2.92mm, 24: 2.4mm connector;

m: male; 600: length, mm; P: for phase matching type.

Please contact us if you need waterproof, armored etc. requirements.



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Frequency (GHz)	Band	VSWR (x. xx:1)	Conn. Loss (dB/ea)	Attenuation (dB/m)		
				A (210A)	B (210B)	E (210E)
1 GHz	UHF	1.05	0.05	0.28	0.33	0.33
5 GHz	S	1.15	0.06	0.55	0.71	0.71
10 GHz	X	1.20	0.08	0.78	1.00	1.00
18 GHz	Ku	1.27	0.10	1.06	1.35	1.35
26.5 GHz	K	1.35	0.15	1.29	1.58	1.58
40GHz	ka	1.44	0.25			
50GHz	U	1.50				

Electronics					
Shielding Effectiveness, min. (dB@18GHz)			90	90	90
Phase Stability vs. Flexure*	10GHz		±2°	±2°	±2°
	18GHz		±4°	±3°	±3°
Power Handling CW at 10GHz (watts)			160	143	130

\* Cable wrapped around a 76.2mm mandrel 360 degrees

Mechanical				
Jacket Diameter, nominal, in (mm) FEP		5.5	5.5	5.7
Static Bend Radius, min. in (mm)		12.5	12.5	12.5
Temperature Range, min., °C		-55 to + 125	-55 to + 125	-40 to + 85
Weight, nominal, (g/m)		72	72	76
Center Conduct		Solid	Stranded	Stranded

Cable Construction	
Inner Conductor	Solid or Stranded Silver-plated Copper Wire
dielectric	Expanded PTFE
Outer Conductor	Silver-Plated Copper strip/Silver-plated Copper Shield
Outer Jacket	FEP (PU for 210E)

Order:

BLU18A- NmSm- 1000P

BLU: Low loss cable assemblies; 18: Maximan frequency GHz; A: Cable model;

NmSm: 1st and 2nd Connector Type, N: N type; S: SMA type connector;

m: male; 1000: length, mm; P: for phase matching type.

Please contact us if you need waterproof,armored etc.requirements.

# S-flex 18/27/40GHz Low Loss Cable Assemblies



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Frequency (GHz)	Band	VSWR (x.xx:1)	Conn. Loss (dB/ea)	Attenuation (dB/m)		
				D (311A)	F (311B)	DE (311E)
1 GHz	UHF	1.05	0.05	0.16	0.21	0.21
5 GHz	S	1.15	0.06	0.40	0.51	0.51
10 GHz	X	1.20	0.08	0.58	0.69	0.69
18 GHz	Ku	1.27	0.10	0.78	0.92	0.92
26.5 GHz	K	1.35	0.15			
40GHz	ka	1.44	0.25			
50GHz	U	1.50				

Electronics					
Shielding Effectiveness, min. (dB@18GHz)			90	90	90
Phase Stability vs. Flexure*	10GHz		±3°	±3°	±3°
	18GHz		±5°	±5°	±5°
Power Handling CW at 10GHz (watts)			630	570	490

\* Cable wrapped around a 76.2mm mandrel 360 degrees

Mechanical				
Jacket Diameter, nominal, in (mm) FEP		7.5	7.5	7.9
Static Bend Radius, min. in (mm)		31.75	31.75	31.75
Temperature Range, min., °C		-55 to + 125	-55 to + 125	-40 to + 85
Weight, nominal, (g/m)		127	127	137
Center Conduct		Solid	Stranded	Stranded

Cable Construction	
Inner Conductor	Solid or Stranded Silver-plated Copper Wire
dielectric	Expanded PTFE
Outer Conductor	Silver-Plated Copper strip/Silver-plated Copper Shield
Outer Jacket	FEP (PU for 311DE)

Order:

BLU18D- NmSm- 1000P

BLU: Low loss cable assemblies; 18: Maximan frequency GHz; D: Cable model;

NmSm: 1st and 2nd Connector Type, N: N type; S:SMA type connector;

m: male; 1000: length, mm; P: for phase matching type.

Please contact us if you need waterproof,armored etc.requirements.