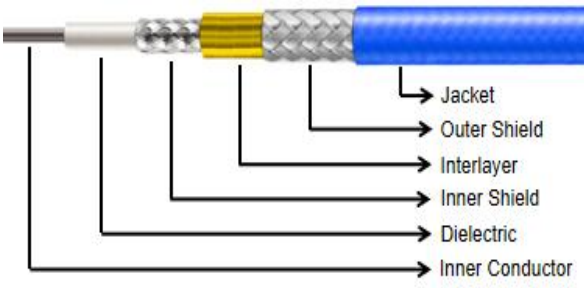
FS1200B

10GHz, 50 Ohm, Φ12mm, FEP Jacket, Flexible Cable. Solid Inner Conductor

Structure:



Structure Details:

Cable Type	Dia.(mm)	Material
Inner Conductor	3.50	Silver plated Copper
Dielectric	9.90	Low Density PTFE
Inner Shield	10.17	Silver Plated Copper Strip
Interlayer	10.30	High-Temp Aluminum Foil
Outer Shield	11.02	Silver Plated Copper Braid
Jacket	12.00	FEP

Electrical Specifications:

Operating Freq.: 10 GHz
Cut-off Freq.: 11 GHz
Impedance: 50 Ω
Velocity of Propagation: 76%
Shielding Effectiveness: >90 dB
Dielectric Withstanding Voltage: 3000 V DC
Passive Intermodulation (PIM): -155dBc

Mechanical Specifications:

Static Bending Radius: 60 mm
Dynamic Bending Radius: 120 mm
Weight: 300 g/m

Environmental Specifications:

Temperature: -55~+200 °C

Typical Attenuation(dB/100m**) and Power handling (**W**)**

Freq.(GHz)	1	2	3	4	5	6	7	8	10
Attenuation[1]	13.0	18.7	23.3	27.2	30.7	33.9	37.0	39.8	45.2
Avg. Power[2]	3323	2306	1856	1588	1406	1271	1167	1083	955
K1: 0.391680, K2: 0.000600									

1: Typical value@+25 °C,VSWR=1.0;
2: Typical value@+40 °C,atmospheric pressure;
3: Typical Cable Attenuation Calculation Formula: $K1*\sqrt{F(MHz)}+K2*F(MHz)$;
4: Typical Connector Attenuation Calculation Formula: $0.03*\sqrt{F(GHz)}$.

Cable Assemblies Naming Rule:

PN: Cable-Freq.-Conn.1-Conn.2-Length(m)
Eg.: FS1200B-10-NM-NF-1 means FS1200B cable, DC-10GHz, N(m)-N(f), 1m.
Add “R” for right-angle or “H” for bulkhead after the connector code (e.g., NMR, NFH)

Connectors Options	Frequency (Max)	VSWR (Max)	Body Material
SMA (S)	10GHz	1.25:1	Passivated Stainless Steel
N (N)	10GHz	1.25:1	