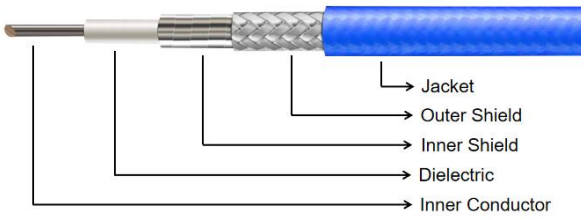
FS400C

26.5GHz, 50 Ohm, Φ4.0mm, FEP Jacket, Economical Flexible Cable, Solid Inner Conductor

Structure:



Structure Details:

Cable Type	Dia.(mm)	Material
Inner Conductor	0.94	Silver plated Copper
Dielectric	3.00	PTFE
Inner Shield	3.20	Silver Plated Copper Strip
Outer Shield	3.55	Silver Plated Copper Braid
Jacket	4.00	FEP

Electrical Specifications:

Operating Freq.: 26.5 GHz
Cut-off Freq.:34 GHz
Impedance: 50 Ω
Velocity of Propagation: 70%
Shielding Effectiveness: >90 dB
Dielectric Withstanding Voltage: 1500 V DC

Mechanical Specifications:

Static Bending Radius: 20 mm
Dynamic Bending Radius: 40 mm
Weight: 41 g/m

Environmental Specifications:

Temperature: -55~+125 °C

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

Freq.(GHz)	1	2	3	6	8	10	12.4	18	26.5
Attenuation[1]	37.6	55.1	69.3	103.9	123.5	141.6	161.9	205.3	264.7
Avg. Power[2]	290	198	157	105	88	77	67	53	41
K1: 1.082677, K2: 0.003337									

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-Max. Freq.-Conn.1-Conn.2-Length(m)
Eg.: FS400C-26.5-SM-SF-1 means FS400C cable, DC-26.5GHz, SMA(m)-SMA(f), 1m.