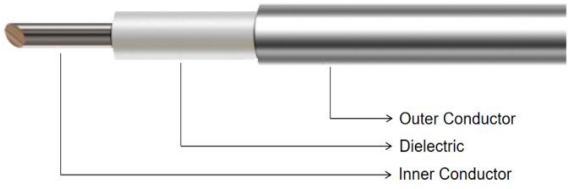
FS141SR-X

26.5GHz, 50 Ohm, Φ3.58mm, Tri-metal plated seamless copper tube, Low-loss semi-rigid cable

Structure:



Structure Details

Cable Type	Dia.(mm)	Material
Inner Conductor	0.99	Silver plated Copper
Dielectric	3.00	PTFE
Outer Conductor	3.58	Tri-metal plated seamless copper tube

Electrical Specifications:

Operating Freq.: 26.5 GHz
Cut-off Freq.: 36 GHz
Impedance: 50 Ω
Velocity of Propagation: 76%
Shielding Effectiveness: >165 dB
Dielectric Withstanding Voltage: 1000 V DC

Mechanical Specifications:

Static Bending Radius: 15 mm
Weight: 47 g/m

Environmental Specifications:

Temperature: -55~+250 °C

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

Freq.(GHz)	1	2	6	8	10	12.4	18	26.5
Attenuation[1]	31.7	45.5	81.7	95.6	108.1	121.8	150.3	187.7
Avg. Power[2]	1121	781	435	372	329	292	236	189
K1: 0.965845, K2: 0.001151								

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.: FS141SR-X-26.5-SM-SF-1 means FS141SR-X cable, DC-26.5GHz, SMA(m)-SMA(f), 1m.
Add “R” for right-angle or “H” for bulkhead after the connector code (e.g., SMR, SFH)

Connectors Options	Frequency (Max)	VSWR (Max)	Body Material*
2.92mm (K)	26.5GHz	1.30:1	Passivated Stainless Steel
SMA (S)	26.5GHz	1.25:1	Nickel Plated Brass
N (N)	18GHz	1.25:1	Nickel Plated Brass

*Connector material is subject to availability; please confirm material when placing your order.