

# SR-141/50-TP



**Description**  
Copper Jacketed Semi Rigid 141 Size  
50 Ohm Tin Plated

**Specification**  
Mil-C-177/130

## CONSTRUCTION

NO	ITEM	MATERIAL	DIAMETER	REMARK
1	CENTER CONDUCTOR	SPC	0.92 ± 0.02mm	Solid type
2	DIELECTRIC	PTFE	2.95 ± 0.03mm	SOLID
3	OUTER SHIELD	TP	3.58 ± 0.05mm	TUBE/100% COVERAGE

## 비고

SPCW	PTFE	TP
Silver Plated Copper clad steel Wire	Polytetrafluoroethylene	Tinned Plated

## ELECTRICAL DATA

ITEM	SPECIFICATION
Operating frequency	Max. 18GHz
Conductor resistance	Max. 2.06 Ω / 100ft (20°C)
Dielectric resistance	Min. 1000MΩ .km (20°C)
Test voltage	5000Vrms (1min)
Velocity of propagation	Nom. 69.5%
Capacitance	Max. 95.2 pF/m
Characteristic impedance	50 ± 2Ω
Operating Temp	-40°C~185°C
Bending Radius	6.4 mm
Approx. weight	46.7 kg/km
Shielding Effect	100dB (max.)
Maximum Attenuation	1 GHz    0.14 dB/m    336.2 Watt
	5 GHz    0.91 dB/m    140.4 Watt
	10 GHz    1.36 dB/m    94.6 Watt
	18 GHz    1.96 dB/m    66.8 Watt