

Multi Flexible Cable

**SPF-141T-50-CW-U
(URETHANE)**

Expantel Code no		Date of issue		
EX-5-0001		2002-12-17		
Issues by	Approved by	Rev. no	Revised by	Revised date
A K S	O J J	5	L Y G	2012-08-22



- ★ Specification ----- meet to MIL-C-17
- ★ Continuous working voltage -----Max. 1900Vrms
- ★ Operating temperature range ----- -40°C ~ 80°C

Construction				MBR
Item	Material	Diameter	Remark	Static
Center conductor	SPCW	1.00mm±0.01	Strand(19/0.203)	20
Dielectric	PTFE	2.97mm	Solid	Dynamic
Inner shield	SPC TAPE	3.25mm	0.05*2.5	60
Braid	SPC	3.58mm	91% Coverage	
Jacket	URETHANE	4.60mm	Color : Blue	

SPCW : Silvr Plated Copper Claid Wire / SPC : Silver Plated Copper

Electrical Data at +20°C (nom. Data)

Electrical Data		
Item	Specification	Remark
Operating frequency	Max. 18GHz	
Dielectric Resistance	>1,000 MOHMS x Km	at 20°C
Capacitance	95.2 pF/m	
Impedance	50 ± 2 OHMS	
Test voltage	5000Vrms	1min
Shielding Effect	<-100dB	
Velocity of propagation	NOM. 69.5 %	
Weight	48.6 Kg/Km	
Attenuation	0.26	at 400MHz
	0.42	at 1GHz
	0.6	at 2GHz
	0.78	at 3GHz
	1.00	at 5GHz
	1.49	at 10GHz
	2.16	at 18GHz