

# Semi Flexible Cable

**EXSF-141T-75-C**

Expantel Code no

EX-1-0003-1

Date of issue

2018-02-23

Issues by

L Y G

Approved by

O J J

Rev. no

Revised by

Revised date



★ Specification ----- meet to MIL-C-17

★ Continuous working voltage -----Max. 1900Vrms

★ Operating temperature range ----- -40°C ~ 125°C

## Construction

MBR

Item	Material	Diameter	Remark	Static
Center conductor	SPC	0.53mm±0.02mm	Solid	7.1
Dielectric	PTFE	2.96mm±0.03mm	Solid	Dynamic
Braid	TC	3.54mm±0.02mm	100% Coverage	35.5

☞TC : Tin Soaked on tin plated Copper Braid

Electrical Data at +20°C ( nom. Data )

## Electrical Data

Item	Specification		Remark
Operating frequency	Max. 20GHz		
Dielectric Resistance	>1,000 MOHMS x Km		
Capacitance	95 pF/M		
Impedance	75 ± 2 OHMS		
Test voltage	7500Vrms		
Velocity of propagation	NOM. 69.5 %		
Weight	39 Kg/Km		
Attenuation(dB/m) & Power(W)	0.26	500MHz	600
	0.39	1GHz	450
	0.95	5GHz	180
	1.48	10GHz	120
	2.30	20GHz	70

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