

Semi Flexible Cable

EXSF-085T-50-CW-FEP

Expantel Code no

EX-1-0007

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Issues by

A K S

Approved by

O J J

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- ★ Specification ----- meet to MIL-C-17
- ★ Continuous working voltage -----Max. 1500Vrms
- ★ Operating temperature range ----- -40°C ~ 125°C

Construction

MBR

Item	Material	Diameter	Remark	Static
Center conductor	SPCW	0.53mm	Solid	5
Dielectric	PTFE	1.68mm	Solid	Dynamic
Braid	TC	2.18mm	100% Coverage	20
Jacket	FEP	2.75mm		

TC : Tin Soaked on tin plated Copper Braid / SPCW : Silver Plated Copper clad steel Wire

Electrical Data at +20°C (nom. Data)

Electrical Data

Item	Specification		Remark
Operating frequency	Max. 18GHz		
Dielectric Resistance	>1,000 MOHMS x Km		
Capacitance	94 nF/Km		
Impedance	50 ± 2 OHMS		
Test voltage	3 kV DC		
Velocity of propagation	NOM. 69.5 %		
Weight	20 Kg/Km		
Attenuation(dB/M at 20°C) & Power(Watts at 40°C)	0.43	at 400MHz	253
	0.70	at 1GHz	157
	1.02	at 2GHz	110
	1.31	at 3GHz	89
	1.72	at 5GHz	69
	2.49	at 10GHz	47
	3.46	at 18GHz	33

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