

Multi Flexible Cable

EXMF-085T-50-CW

Expantel Code no

Date of issue

EX-5-0001

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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	0.511mm	Solid	12.7
Dielectric	PTFE	1.61mm	Solid	
Inner shield	SPC TAPE	1.80mm	0.05*1.5	
Braid	SPC	2.18mm	91% Coverage	
Jacket	FEP	2.65mm		

TC : Tin Soaked on tin plated Copper Braid / 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	
Capacitance	95 pF/m	
Impedance	50 ± 2 OHMS	
Test voltage	5,000Vrms	1min
Shielding Effect	< -100dB	
Velocity of propagation	NOM. 69.5 %	
Weight	19.1 Kg/Km	
Attenuation	0.45 dB/M	at 400MHz
	0.70 dB/M	at 1GHz
	1.02 dB/M	at 2GHz
	1.28 dB/M	at 3GHz
	1.71 dB/M	at 5GHz
	2.62 dB/M	at 10GHz
	3.61 dB/M	at 18GHz

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