LIGHTWEIGHT, FLEXIBLE, CORROSION-FREE

ArmorLite™ CF Microfilament Braid for EMI/RFI Shielding Applications

Performance specifications

DESCRIPTION	REQUIREMENT	PROCEDURE	REPORT
Operating Temperature	-150°C to +400°C	EIA-364-59 (Mod) & EIA-364-17 (Mod) 1000 hrs.	GT-20-766
Surface Transfer Impedance	Transfer Impedance (10.0 kHz ~ 1.0 GHz)	IEC 62153-4-3	GT-19-083/GT-18-066; Sec 5.7
Screen Attenuation, test, Pre and Post	Screening Attenuation (0.1 kHz ~ 4.5 GHz)	IEC 62153-4-4	GT-19-083/GT-18-066; Sec 5.7
Tensile/ Pull Strength	175 lbs. Min. (0.500" diameter)	EN 6059-404	GT-18-066; Sec 5.3
Vertical Flammability	Self extinguishing ≤ 2 sec. Burn length 0.1 inch max. Dripping 0.0 seconds.	14 CFR part 25.853 (a) AMdT25-116 Appendix F Part I (a) (1) (ii)	ARM-101*
Mass Loss and Collected Volatile Condensable Materials	Total Mass Loss (TML) ≤1.0% Collected Volatile Condensable Matl.(CVCM) ≤.1%	ASTM E-595	ARM-102*
Salt Spray / Salt Fog Test	1000 hours; No evidence of corrosion on braid	DO-160G , Sec. 14, Cat. T. , EIA-364-26, Method D	GT-18-066; Sec 5.4
Vibration Resistance	DO-160G Category S, Curve E: 1 hr./axis Random DO-160G Category H, Curve P: Sinusoidal	DO-160G Matrix Category S Curve E & Category H Curve P	GT-18-066; Sec 5.1
Lightning Indirect Effects	Glenair QTP 799 / DC resistance; 3 sizes up to 25 Ka	ANSI/EIA-364/75; WaveForm 5B -50 x 500uS	GT-20-285
Flex Test	10 cycles / min. 0° over vertical ctr. line across to 180° cycle. 2.5 lb. load 25000 cycles	EN 6059-402	GT-18-066; Sec 5.5
Fluid Immersion	Material compatibility - Test Fluid detail available - factory customer request	AS4373 D method 601 modified	ARM-106*
Thermal Shock Cycling Test and Resistivity	-65°C to 200°C; 10 cycles. No adverse effects in visual inspection or resistance.	EN 6059-308	GT-18-066; Sec 5.2
Abrasion Resistance	5000 cycles @ 10Hz.	EN 3475-511	GT-18-066; Sec 5.6

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