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X98 - A92829-005
50 Ohms Coaxial Cable
Compliant with FAR 25.853 Appendix F

TECHNICAL DATASHEET RECORD LIST		
Issue	Date	Reasons for revision
11	20/07/2020	Logo modification Add Record List

Construction

1.	Inner Conductor	:	Solid	Ø = 2,31 mm (0,090 inches)
2.	Dielectric	:	Multi-ply laminate EPTFE	Ø = 6,27 mm (0,247 inches)
3.	Braid	:	CuAg Foil - SC150-P	Ø = 6,43 mm (0,253 inches)
4.	Ribbon	:	36 AWG CuAg plated 95% Coverage	Ø = 6,99 mm (0,275 inches)
5.	Jacket	:	FEP	Ø = 7,82 mm (0,308 inches)

Electrical Specifications

Impedance	:	50 Ohms
Operating Frequency	:	DC to 18 GHz
Cut-off Frequency	:	18,50 GHz
Shielding Effectiveness	:	-100dB up to 18GHz
Capacitance	:	80,40 pF/m
Velocity of propagation	:	83 %
Time Delay	:	4,01 ns/m
Voltage Withstand	:	N.A

Mechanical / Environmental Specifications

Weight	:	131 g/m
Static Bend Radius	:	25,40 mm (1,00 inches)
Dynamic Bend Radius	:	44,45 mm (1,75 inches)
Operating Temperature Range	:	-65°C to +200°C (-85°F to +392°F)

Connectors

Compatible with SMA - TNC – N and SC interfaces

Specifications

- RoHS Compliant
- MIL-C-17

FREQUENCY (MHz)	ATTENUATION (dB/m max.)	Average POWER (W)*
2000	0,20	1350
4000	0,29	900
8000	0,42	600
12000	0,53	520
18000	0,66	480

* : cable only, for ambient temperature (25°C), at sea level