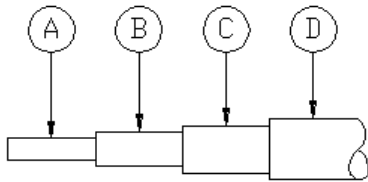


TENSOLITE CABLE DATA SHEET



CABLE CODE: 601
 CATEGORY: SEMI-FLEX(R)
 DESCRIPTION: .141 RIGID TYPE
 IMPEDANCE: 50 OHMS
 MAX. OD: 0.141 INCHES
 MAX. OPERATING FREQ.: 18 GHz.
 CUT OFF FREQ.: 34.4 GHz.
 CLAMP CABLE GROUP: N/A
 SOLDER CABLE GROUP: 601, 976
 CRIMP CABLE GROUP: N/A
 MIL SPEC: N/A
 FLORIDA PART X REF.: N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER CLAD STEEL	0.036
B. DIELECTRIC:	SOLID PTFE	0.117
C. OUTER BRAID:	COPPER / POLYESTER FOIL	0.127
D. JACKET:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.139

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY: 60 POUNDS MINIMUM AXIAL PULL
 MINIMUM BEND RADIUS (ONE TIME): 0.19 INCHES FIXED INSTALLATION
 PREFERRED BEND RADIUS: 0.50 INCHES
 TEMPERATURE RANGE: -50 / +200 DEGREES CELSIUS
 WEIGHT MAXIMUM: 0.030 POUNDS PER FOOT

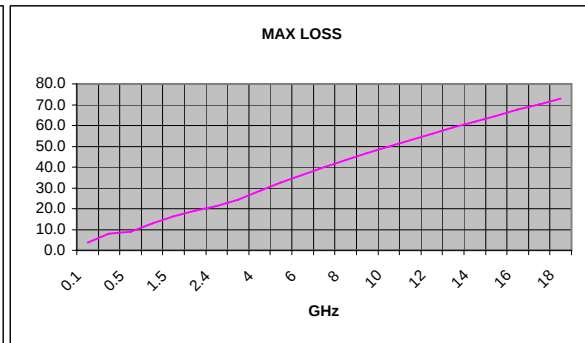
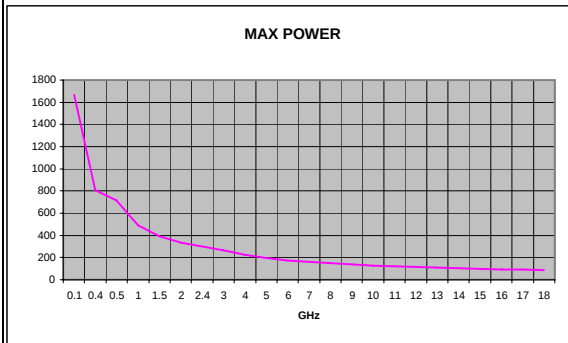
ELECTRICAL CHARACTERISTICS:

CENTER CONDUCTOR DC RESISTANCE 1.20 OHMS / 100 FEET NOMINAL
 OUTER CONDUCTOR DC RESISTANCE 0.08 OHMS / 100 FEET NOMINAL
 NOMINAL IMPEDANCE: 50 OHMS
 NOMINAL CAPACITANCE: 28.7 pf / FT.
 NOMINAL INDUCTANCE: 0.072 uh / FT
 NOMINAL VELOCITY OF PROPAGATION: 70.7 %
 NOMINAL DELAY: 1.44 nS / FT.
 MAXIMUM OPERATING VOLTAGE: 2627 VRMS
 MAXIMUM CW POWER RATING: 88 WATTS AT 18 GHz
 MAXIMUM RETURN LOSS: -22 dB AT 18 GHz
 MAXIMUM INSERTION LOSS: 73.0 dB / 100 FT AT 18 GHz
 NOMINAL INSERTION LOSS: 68.8 dB / 100 FT AT 18 GHz

To calculate maximum insertion loss at any frequency use the formula below:

11.719 times square root of freq. + 1.292 times freq. + 0 = dB/100'
 RELATIVE SHIELDING: -100 dB DOUBLE SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE. MEETS VW1 REQUIREMENTS PER AWM 10245.
 EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE



Data subject to change

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