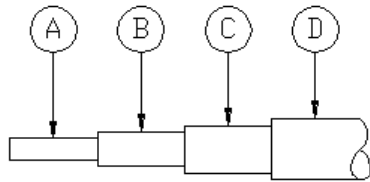


TENSOLITE CABLE DATA SHEET



CABLE CODE:	600
CATEGORY:	SEMI-FLEX(R)
DESCRIPTION:	.086 RIGID TYPE
IMPEDANCE:	50 OHMS
MAX. OD:	0.089 INCHES
MAX. OPERATING FREQ.:	18 GHz.
CUT OFF FREQ.:	62.0 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	600, 977
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	0.020
B. DIELECTRIC:	SOLID PTFE	0.062
C. OUTER BRAID:	COPPER / POLYESTER FOIL	0.072
D. JACKET:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.087

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	30 POUNDS MINIMUM AXIAL PULL
MINIMUM BEND RADIUS (ONE TIME):	0.13 INCHES FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.38 INCHES
TEMPERATURE RANGE:	-50 / +200 DEGREES CELSIUS
WEIGHT MAXIMUM:	0.011 POUNDS PER FOOT

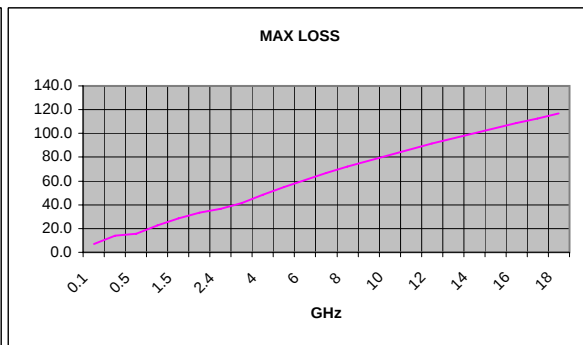
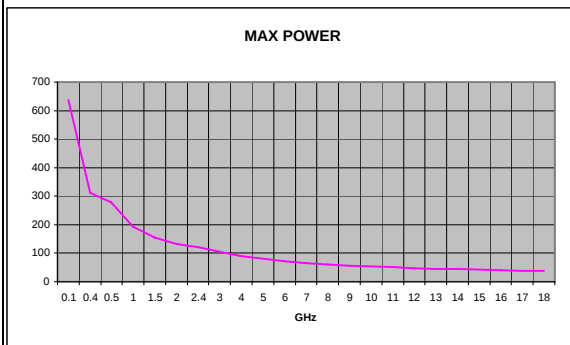
ELECTRICAL CHARACTERISTICS:

CENTER CONDUCTOR DC RESISTANCE	3.90 OHMS / 100 FEET NOMINAL
OUTER CONDUCTOR DC RESISTANCE	0.29 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:	1401 VRMS
MAXIMUM CW POWER RATING:	38 WATTS AT 18 GHz
MAXIMUM RETURN LOSS:	-22 dB AT 18 GHz
MAXIMUM INSERTION LOSS:	116.7 dB / 100 FT AT 18 GHz
NOMINAL INSERTION LOSS:	110.1 dB / 100 FT AT 18 GHz

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

21.412 times square root of freq. +	1.434 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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