

CABLE CODE: TLL40-1130B
 CATEGORY: LOW LOSS
 DESCRIPTION: N/A
 IMPEDANCE (ohms): 50
 NOM. OD (inch): 0.150
 OPERATING FREQ. (GHz): 40
 CUT OFF FREQ. (GHz): 41

ITEM	MATERIAL
A. CENTER CONDUCTOR	SOLID SILVER-PLATED COPPER
B. DIELECTRIC:	PTFE
C. INNER BRAID:	HELICALLY-WRAPPED SILVER-PLATED COPPER
D. OUTER BRAID:	SILVER-PLATED ROUND COPPER BRAID
E. JACKET:	SOLID FEP, COLOR "SAWGRASS GREEN"

MECHANICAL CHARACTERISTICS:

MINIMUM BEND RADIUS (ONE TIME): 0.63 INCHES
 TEMPERATURE RANGE: -60 / +200 DEGREES CELSIUS
 WEIGHT NOMINAL: 0.023 POUNDS PER FOOT

ELECTRICAL CHARACTERISTICS:

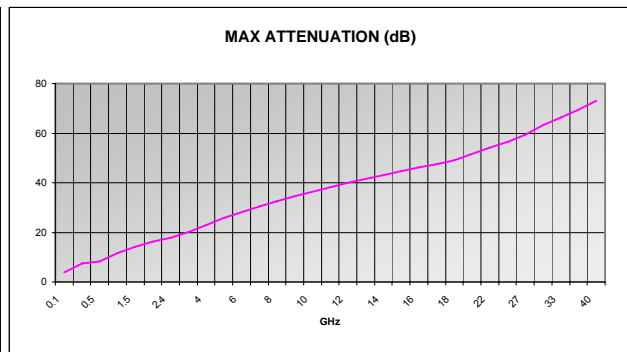
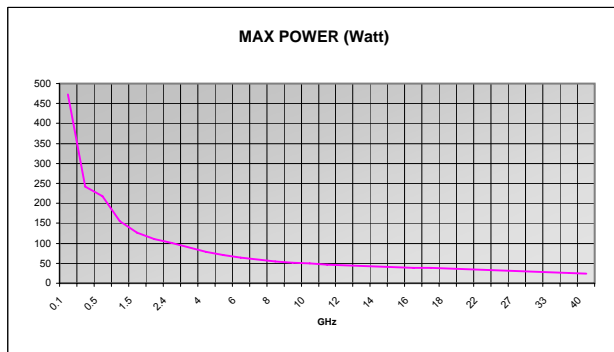
NOMINAL IMPEDANCE: 50 OHMS
 NOMINAL CAPACITANCE: 25.1 pf / FT.
 NOMINAL VELOCITY OF PROPAGATION: 82.0 %
 NOMINAL DELAY: 1.24 nS / FT.
 OPERATING VOLTAGE: 1804 VRMS
 MAXIMUM INSERTION LOSS: 73.1 dB / 100 FT AT

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

$$11.4 * \sqrt{\text{freq.}} + 0.02 * \text{freq} + 0.2 = \text{dB}/100'$$

RELATIVE SHIELDING @ 18 GHz: -90 dB DOUBLE SHIELDED

FEATURES:



Data subject to change

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