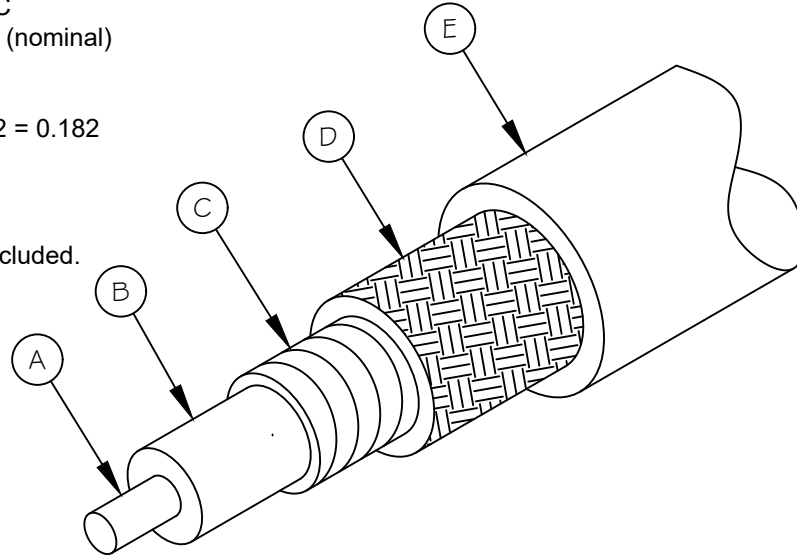


CABLE SPECIFICATIONS

Impedance: 50 ± 2 ohms
 Velocity of Propagation: 80% (nominal)
 Time Delay: 1.27 ns/ft (nominal)
 Capacitance: 25.4 pF/ft (nominal)
 Frequency Range: 0.05 - 40 GHz
 Minimum Cut-Off Frequency: 43 GHz (cable only)
 Shielding Effectiveness: >100 dB up to 18 GHz
 >80 dB 18 GHz to 40 GHz
 Temperature Range: -65 to +200°C
 Weight: 2.2 lbs/100 ft (nominal)
 Minimum Static Bend Radius: 0.5"
 Minimum Dynamic Bend Radius: 1.25"
 Cable Attenuation Factors: K1 = 10.7, K2 = 0.182

Notes:
 1. Cable Attn: $(K1\sqrt{f} + K2f)$ [dB/100 ft],
 where f is in GHz and connector loss is not included.

Note:
 Jacket: FEP per ASTM D-2116.
 Color: Yellow, unless otherwise specified.



Rev	ECN	Date	REVISIONS

CUSTOMER'S COPY

Cable Attenuation	
Frequency (GHz)	Maximum Attenuation (dB/100ft)
1	10.9
4	22.1
8	31.7
12	39.2
18	48.7
26.5	59.3
40	75.0

P/N 1501

MATERIALS	DIAMETER	
A. 19 AWG (SC-HD) Conductor:	0.0360"	MAX
B. EPTFE Dielectric Core	0.102"	
C. SC Foil	0.108"	
D. 38 AWG SC Braid	0.124"	
E. FEP Outer Jacket, 9 mil min.	0.148"	

PROPRIETARY DOCUMENT

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Insulated Wire Incorporated
 960 Sylvan Avenue, Bayport, NY 11705

Material RoHS Compliant	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS	DO NOT SCALE	LOW LOSS COAXIAL CABLE	1501	REV L
	DRAWN Acad 2019	DATE 12/23/98			
	CHECKED <i>DAS</i>	6/29/20			
	APPROVED <i>MIS</i>	6/29/20			