

iCALIBER 3.5mm Cable Assembly

DC - 26.5 GHz, 100 W @ 26.5 GHz

SPECIFICATIONS:

Models: ICAL26-35M-XXXXY

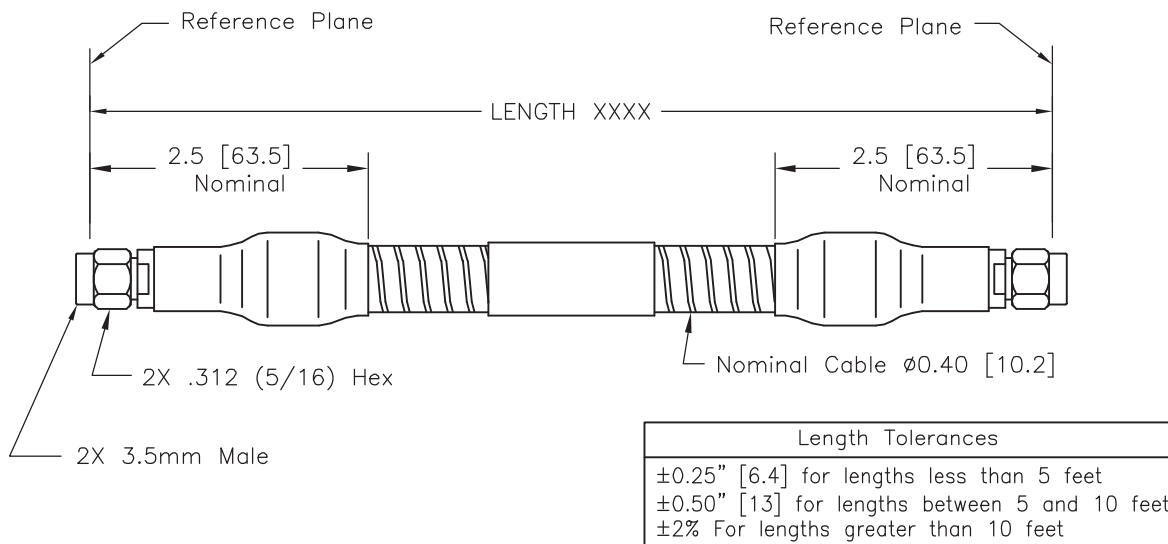


<i>Electrical:</i>	
Frequency Range	DC - 26.5 GHz
Impedance	50 Ohms
Velocity of Propagation	77 %
Insulation Resistance	> 5000 M Ohm
Dielectric Withstanding Voltage	2500 V rms
Power Handling	100 Watts at 26.5 GHz
Temperature Range	-55°C to +105 °C
<i>Physical & Mechanical:</i>	
Preferred Bending Radius	4.0 inch
Connector Retention Force	> 200 N
Connectors	Passivated Stainless Steel
Mates both Electrically and Mechanically with all SMA & K* Series Connectors.	
Center Conductors	Gold Plated Beryllium Copper
Armored Jacket	Passivated Stainless Steel
Insulators	PTFE

Frequency (GHz)	Return Loss (dB) Min	Cable Loss ** (dB/ft) Nom.
DC - 2.0	30	0.13
2.0 - 4.0	28	0.19
4.0 - 6.0	25	0.23
6.0 - 12.0	21	0.33
12.0 - 18.0	19	0.41
18.0 - 26.5	15	0.52

*K is a trademark of Anritsu Corp.

**Cable Assembly Insertion Loss Calculation = $L * [(0.0864 * \text{SQRT}(F)) + (0.00216 * F)] + (0.097 * \text{SQRT}(F))$
 (Where "F" = Frequency in GHz and "L" = Length in Feet)



HOW TO ORDER:

Model Number: **ICAL26-35M-XXXXY**

Base Model Number
 26 = 26.5 GHz
 35M = 3.5mm Male Conn.

Y = UNIT OF MEASURE
 BLANK (Default) = INCHES
 M = METERS
 (HALF METER INCREMENTS)

XXXX = LENGTH

Ordering Examples:

Standard Model Numbers:
 ICAL26-35M-24 = 24 INCH CABLE
 ICAL26-35M-36 = 36 INCH CABLE
 ICAL26-35M-48 = 48 INCH CABLE
 Model Number: ICAL26-35M-1.5M
 1.5 METERS, 26.5 GHz, 3.5mm MALE ASSY

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.
 Design specifications are subject to change without notice.
 Contact factory for technical specifications before purchasing or use.

ICAL26-35M : REV B



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