

# XtendedFlex™ 304



XtendedFlex™ 304 is a versatile coaxial cable offering increased power handling and low attenuation with high flexibility. Similar in construction to XF-213, the smaller XF-304 is an ideal solution for highly dynamic applications that may have more stringent weight and size requirements.

The XtendedFlex family of cables have been designed and tested to support high flex and continuous flex applications.

## Features

- High Flexibility
- High Power Handling
- Low Attenuation
- Exceptional Flex Life
- Highly Shielded

## Specifications

**Ω** Impedance  
50 Ohms

**Op Temp**  
-67 to +221°F  
-55 to +105°C

### Units

	in (mm)	
Diameter	0.305 (7.75)	
Weight	116.1	g/m
Minimum Bend Radius	1.50 (38.1)	in (mm)
Maximum Frequency	5.8	GHz
Velocity of Propagation	76	%
Capacitance	26.9 (88.3)	pF/ft (pF/m)
Time Delay	1.34 (4.39)	ns/ft (ns/m)
Shielding Effectiveness	-80	dB

## Calculation

$$IL = (K1 \times \sqrt{f}) + K2 \times f \times \text{Cable Length}$$

Cable Insertion Loss  
f = Frequency (MHz)

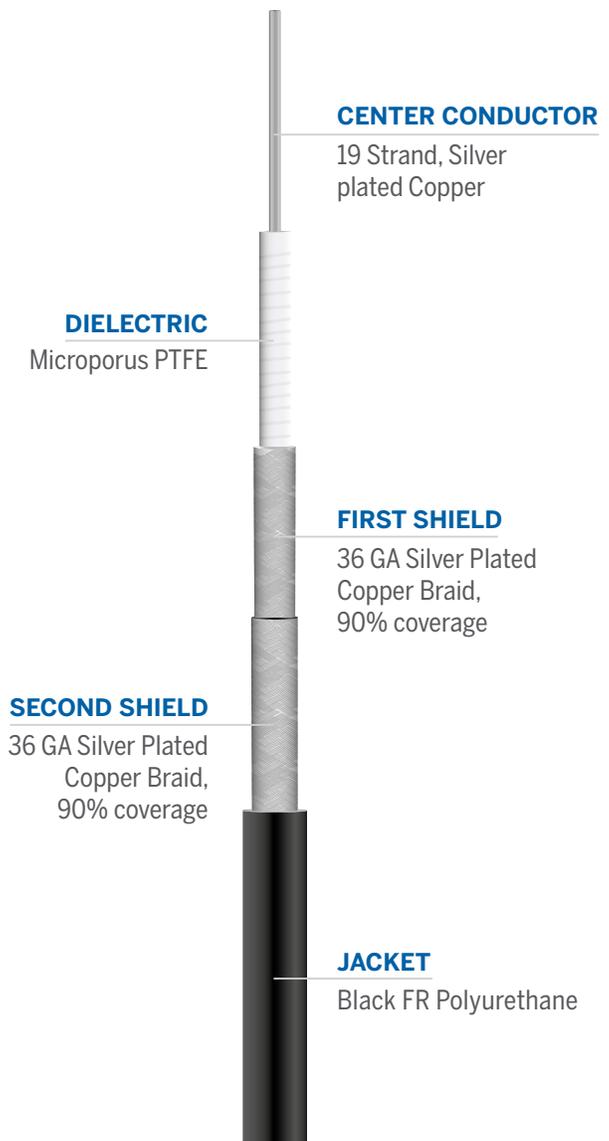
Use K values with  
matching length unit

**K Values**

**dB/100ft**

**dB/100m**

K1	0.29006	0.95169
K2	0.00012	0.00039



# XtendedFlex™ 304

## Cable Assembly Ordering Guide

**XF304**

Cable Code

**- Code**

Connector A

**Code -**

Connector B

**XX.X**

Length

**XX**

Units of measure: I = Inches, CM = Centimeters

## Connector Options

Interface	Gender	Orientation	Part Number	Stock Code	Connector Code
N	Male	Straight	TC-300-NMH-X	3190-2861	NM
		Right Angle	TC-300-NMH-RA-D	3190-2761	NMR



Global manufacturing capability:  
US, Asia, and India.



Assembled and tested assemblies  
provide assured performance.

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