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 dyanmic 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

Impedance 50 Ohms

Op Temp -67 to +221°F -55 to +105°C

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

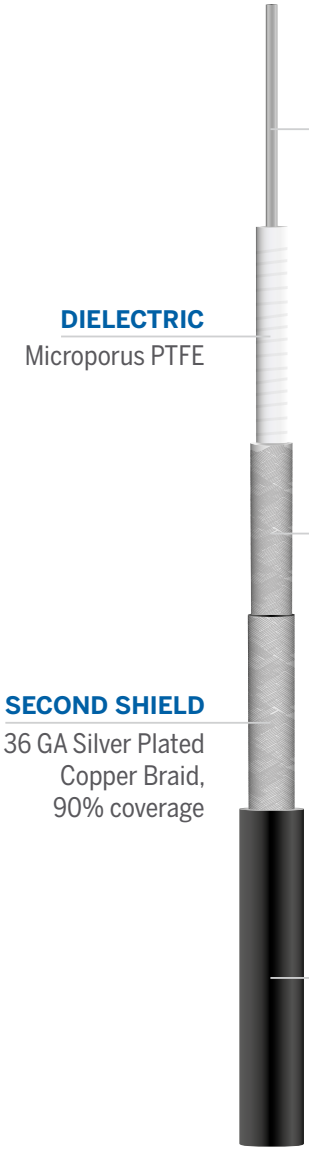
Calculation

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

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



CENTER CONDUCTOR
19 Strand, Silver plated Copper

DIELECTRIC
Microporus PTFE

FIRST SHIELD
36 GA Silver Plated Copper Braid, 90% coverage

SECOND SHIELD
36 GA Silver Plated Copper Braid, 90% coverage

JACKET
Black FR Polyurethane

Times Microwave Systems
358 Hall Avenue, Wallingford, CT 06492, USA
T 800. 867.2629
www.timesmicrowave.com

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XtendedFlex® 304

Cable Assembly Ordering Guide

XF304	-Code	Code-	XX.X	XX
Cable Code	Connector A	Connector B	Length	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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Times Microwave Systems
358 Hall Avenue, Wallingford, CT 06492, USA
800.867.2629
www.timesmicrowave.com

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