XtendedFlex® 213



XtendedFlex® 213 offers high power and voltage handling while maintaining a high level of flexibility. It is ideal for dynamic industrial and transportation applications that demands long service life.

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

Features

- High Flexibility
- High Power Handling
- Ruggedized for Industrial Vehicles
- Exceptional Flex Life
- Highly Shielded

Specifications

Impedance 50 Ohms | Op Temp -67 to +221°F -55 to +105°C

	Units	
Diameter	in (mm)	0.405 (10.29)
Weight	g/m	200.9
Minimum Bend Radius	in (mm)	2.00 (50.8)
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

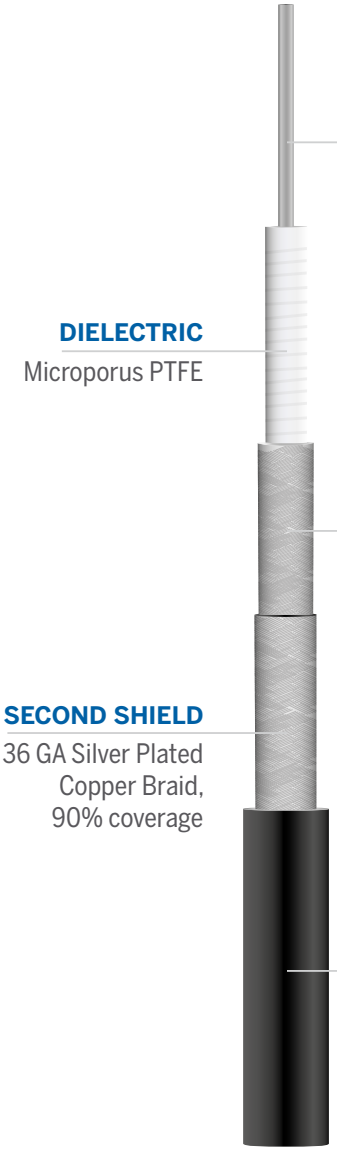
Calculation

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

Cable Insertion Loss
f = Frequency (MHz)

Use K values with matching length unit

K Values	dB/100ft	dB/100m
K1	0.19366	0.63540
K2	0.00013	0.00043



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

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Cable Assembly Ordering Guide

XF213	-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-400-NMH-X	3190-2626	NM
		Right Angle	TC-400-NMH-RA-D	3190-2293	NMR
BNC	Male	Straight	TC-400-BM-X	3190-6232	BM
		Right Angle	TC-400-BM-RA-D	3190-6430	BMR



Global manufacturing capability: US, Asia, and India.



Assembled and tested assemblies provide assured performance.

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