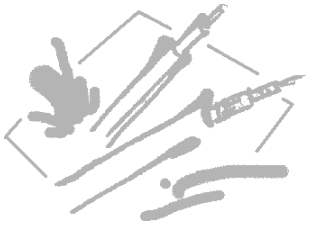

enforcer

Low Loss Flexible Braided Cable

SI-400 Specifications

Construction Materials			
Description	Material	In.	(mm)
Inner Conductor	BCCA	0.108	(2.74)
Dialectric	Foam P.E.	0.285	(7.24)
Outer Conductor	Aluminum Tape	0.291	(7.39)
Overall Braid	Tinned Copper	0.320	(8.13)
Jacket	PE	0.405	(10.29)

Mechanical Specifications			
Property	Units	US	Metric
Bend Radius - Installation	in. (mm)	1.0	(19.10)
Bend Radius - Repeated	in. (mm)	4.0	(63.50)
Tensile Strength	lb (kg)	160	(36.30)
Weight	lb (kg)	0.068	0.1

Environmental		
Property	°F	°C
Installation Temperature Range	-40/+185	-40+85
Storage Temperature Range	-94/+185	-70/+85
Operating Temperature Range	-40/+185	-40+85

Electrical Specifications			
Property	Units	US	Metric
Velocity of propagation	%	>82%	
Time Delay	nS/ft (nS/m)	1.2	3.92
Impedance	ohms	50	
Capacitance	pF/ft (pF/km)	22.94	75
Inductance	uH/ft (uH/m)	0.6	0.2
Shield Effectiveness	dB	>90	
DC Resistance - Inner conductor	ohms/1000 ft / (km)	1.39	<4.6
DC Resistance - Outer Conductor	ohms/1000 ft / (km)	1.65	<6.0
Voltage Withstand	Volts DC	2500	
Jacket Spark	Volts RMS	8000	
Peak Power	kW	16	

Attenuation @ 20°C		
Frequency (MHz)	dB/100 ft	dB/100 m
30	0.7	2.2
50	0.9	2.9
150	1.5	4.9
220	1.9	6.1
450	2.7	8.9
900	3.9	12.8
1500	5.1	16.7
1800	5.7	18.5
2000	6.0	19.7
2500	6.8	18.5
5800	10.8	35.5

As an alternative to RG8 and 9913, Enforcer, SI-400 is an excellent alternative for use in applications such as WLL, GPS, WLAN, WiMAX, SCADA, two-way radio, and other mobile applications. It is an excellent choice for cable assemblies when flexibility matters. Industry standard connectors are compatible with SI-400 cable.