

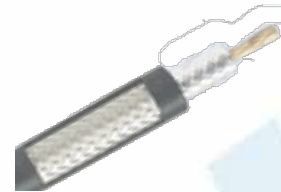


SI-400-UF

Ultra-Flexible Braided Cable

Perfect for:

- Alternative to RG-8/9913 Cable
- Applications such as two-way radio, mobile antennas, SCADA, GPS, WLAN, or any application requiring a ultra-flexible cable
- Short Antenna Feeds or Jumper assemblies



Construction Materials			
Description	Material	In.	(mm)
Inner Conductor	Stranded BC	0.108	(2.74)
Dielectric	Foam P.E.	0.285	(7.24)
Outer Conductor	Aluminum Tape	0.291	(7.39)
Overall Braid	Tinned Copper	0.320	(8.13)
Jacket	Black TPE	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)

Frequency (MHz)	Attenuation vs. Frequency (typical)											
	30	50	150	220	450	900	1500	1800	2000	2500	5800	
Attenuation dB/100 ft	0.8	1.1	1.8	2.2	3.3	4.7	6.2	6.8	7.2	8.1	13.0	
Attenuation dB/100 m	2.7	3.5	6.1	7.4	10.7	15.4	20.2	22.3	23.6	26.6	42.6	

Electrical Specifications			
Property	Units	US	Metric
Velocity of propagation	%	>85%	
Impedance	ohms	50	
Capacitance	pF/ft (pF/km)	23.9	78.4
DC Resistance - Inner conductor	ohms/1000 ft / (km)	1.07	<3.51
DC Resistance - Outer Conductor	ohms/1000 ft / (km)	1.65	<6.0
Voltage Withstand	Volts DC	2500	
Jacket Spark	Volts RMS	8000	



Signal Inside Recommends



for all connectors used on *SI* Braided Cable

RFU-507-SI

Connectors

Interface	Description	Part #	Inner Contact Attach	Outer Contact Attach	Finish Body/ Pin
N Male	Straight Plug	RFN-1006-3I	Solder	Crimp	Silver/Gold
N Male	Right Angle	RFN-1009-3I	Solder	Crimp	Silver/Gold
N Female	Straight Plug	RFN-1028-1	Solder	Crimp	Nickel/Gold
N Male	Straight Plug	RFN-1024-1SI	Solder	Clamp	Silver/Gold
UHF Male	Straight Plug	RFU-507-SI	Solder	Crimp	Silver/Silver
Cable Prep Tool		RFA-4420		Cleans and deburs cable	
Cable Tool Kit		RFA-4005-520		Comes with crimp tool and die sets	