



**RADIO FREQUENCY
INDUSTRIES (PTY.) LTD.**

"Simply The Best"

CK No : 2005/006095/07

VAT No : 4470219918

rf-sales@rfind.co.za

Phone : +27(0)11 869 9285

Fax : +27(0)86 509 2874

Cell : +27(0) 82 765 3007

24 Hendrik Potgieter Street,

Corner 5th Avenue

ALBERTON NORTH, 1450

P.O. Box 1500

ALBERTON

1450

RFi LOW LOSS 195 CABLE - LL-195



RFi LOW LOSS 195 CABLE

RFi ORDER CODE: LL195

SPECIFICATION

Max. Frequency	=	8GHz
Velocity Factor	=	80%
Voltage Withstand	=	1000 Volts DC
Peak Power	=	2.5 kW
DC Resistance (Inner Conductor)	=	24.9 Ohms/km
DC Resistance (Outer Conductor)	=	16.1 Ohms/km
Jacket Spark	=	3000 Volts RMS
Impedance	=	50Ω
Capacitance	=	83.3pF/m
Inductance	=	0.21 uH/m
Shielding Effectiveness	=	>90 dB
Operating Temperature	=	-40 - +85 Centigrade
Minimum Bend Radius Installed	=	12.7mm
Minimum Bend Radius Repeated	=	50.8mm
Tensile Strength	=	18.2 kg
Cable Weight	=	0.0389g/m
Inner Conductor	=	Solid Copper
Dielectric	=	Foam Polyethylene
Outer Conductor	=	Aluminum Tape
Overall Braid	=	Tinned Copper
Outer Jacket	=	UV Resistant Polyethylene
Inner conductor Size	=	0.94mm
Dielectric Size	=	2.79mm
Outer conductor Size	=	2.95mm
Overall Braid Size	=	3.53mm
Outer Jacket Size	=	4.95mm

ATTENUATION

Freq.	dB/100ft.	dB/100m	Avr. Power kW
30MHz	2.0	6.5	0.89
50MHz	2.5	8.4	0.68
150MHz	4.4	14.6	0.39
220MHz	5.4	17.7	0.32
450MHz	7.8	25.5	0.22
900MHz	11.1	36.5	0.16
1.5GHz	14.5	47.7	0.12
1.8GHz	16.0	52.5	0.11
2.0GHz	16.9	55.4	0.10
2.5GHz	19.0	62.4	0.09
5.8GHz	29.9	98.1	0.06

Manufacturers of : Two-Way Radio Antennas, Duplexers, Filters, Combiners, Splitters, Lightning protectors & other RF Products.
Sales and Distribution of: Two-Way Radios, Repeater Systems, Power Meters, Microphones, Power Supplies, Cables & Connectors.