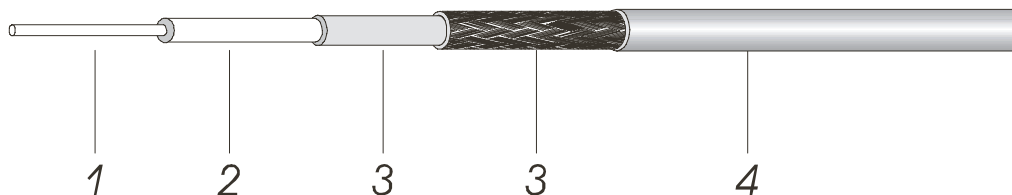


LOW LOSS COMMUNICATIONS COAX

Ideal for:

- Jumper Assemblies in Wireless Communications
- Short Antenna Feeder runs
- Any application (e.g. WLL, GPS, LMR) mobil requiring an easily routed, low loss RF cable
- Drop-in replacement for RG-58, RG-142, LMR-195

LMR195 Flexible Low Loss Communications Coax



Construction Specification

	Material	Diameter (mm)
1. Inner Conductor	Solid Copper	0,94
2. Dielectric	Physical Foam Polyethylene	2,79
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	3,53
4. Jacket	Black Polyethylene (PE)	4,95

Attenuation and Avg. Power (20°C)

Frequency (MHz)	Attenuation (dB/100 m)	Avg. Power (KW)
30	6,50	0,78
50	8,40	0,60
150	14,60	0,35
220	17,70	0,29
450	25,50	0,20
900	36,50	0,14
1.500	47,70	0,11
1.800	52,50	0,10
2.000	55,40	0,09
2.500	62,40	0,08
3.000	67,50	0,08
5.800	93,00	0,05

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Capacitance: 79,7 pF/m
Impedance: 50 ohm
Velocity: 80%
Inner Conductor DC Resistance: 24,94 ohm/km
Outer Conductor DC Resistance: 16,08 ohm/km
Shielding Effectiveness: >90 dB
VSWR (Return loss dB)
 5 – 3.000 MHz 1,20 (20)
 800 – 1.000 MHz 1,10 (26)
 1.700 – 2.000 MHz 1,15 (23)
 2.000 – 2.400 MHz 1,15 (23)

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Min. Bend Radius: 25 mm
Storage Temp.: -25 – 70°C
Installation Temp.: -25 – 70°C
Operating Temp.: -25 – 70°C

LMR195 Low Loss Communications Coax diameter 5 mm

PART NO.	DESCRIPTION
39010195	LMR195 Low Loss Communications Coax Cable diameter 5 mm, attenuation 0,62 dB/m on 2,5 GHz and 0,93 dB/m on 5 GHz size of reel: D=200 mm, d=60 mm, L=130 mm, B=3 mm, 100 m/reel