

LOW LOSS COMMUNICATION CABLES

Ideal for:

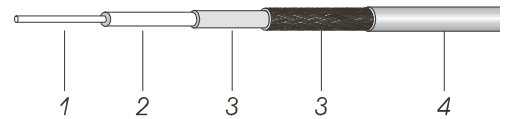
- Drop-in replacement for RG-8/9913, RLA 10, H1000 and LMR-400 Air-Dielectric type Cable.
- Jumper Assemblies in Wireless Communications Systems.
- Short Antenna Feeder runs.
- Any application (e.g. WLL, GPS, LMR) requiring an easily routed, low loss RF cable.

LNR400 Flexible Low Loss Communication Cable



Construction Specification

	Material	Diameter (mm)
1. Inner Conductor	Solid Copper or Copper Clad Aluminum	2,74
2. Dielectric	Physical Foam Polyethylene	7,24
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	8,13
4. Jacket	Black Polyethylene (PE)	10,29



Attenuation and Avg. Power (20°C)

Frequency (MHz)	Attenuation (dB/100 m)	Avg. Power (KW)
30	2,20	2,91
50	2,90	2,21
150	5,00	1,28
220	6,10	1,05
450	8,90	0,72
900	12,8	0,50
1.500	16,8	0,38
1.800	18,6	0,34
2.000	19,6	0,33
2.500	22,2	0,29
3.000	24,8	0,26
5.800	35,50	0,18

SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Capacitance: 77,1 pF/m

Impedance: 50 ohm

Velocity: 85%

Inner Conductor DC Resistance: 2,92 ohm/km

Outer Conductor DC Resistance: 5,41 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: 51 mm

Storage/Installation/Operating Temp.: -25 – 70°C

PART NO.	DESCRIPTION
39010400	LNR400 Low Loss Communication Coax Cable