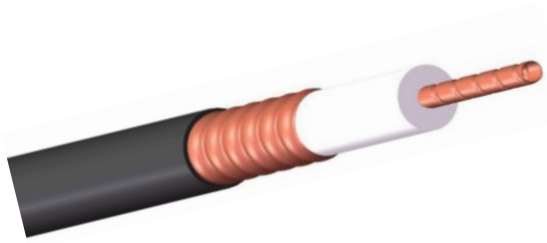
LadonX™ 50Ω 1-5/8" Coaxial Feeder Cable



THE HIGH-PERFORMANCE OF ATTENUATION ALLOWS COAXIAL CABLE TO BE USED IN DIFFERENT RF SYSTEMS, SUCH AS 3G, 4G MOBILE COMMUNICATION.

WIDE RANGE OF APPLICATIONS, SUCH AS INDOOR DISTRIBUTION, BROADCAST, VARIOUS BASE STATIONS, WIRELESS CELLULAR, AND OTHERS.

LOWER VSWR, PERFECT SHIELDING EFFECTIVENESS, AND EXTRAORDINARY INTER-MODULATION PERFORMANCE LEAD TO FEWER ENERGY LOSS AND OUTER INTERFERENCE.

Flame Resistant

IEC61034-1/-2

IEC60754-1/-2

IEC60332-1-2

Design Reference

ROHS

Application

Transmission of signal data.

Working Conditions

Storage Temperature

-30°C ~ +80°C

Installation Temperature:

-25°C ~ +60°C

Operation Temperature

-30°C ~ +80°C

Min. single bending radius

300mm

Min. repeated bending radius

510mm

Technical data

Nominal Impedance	Ω	50
Inner Conductor Material		Helical corrugated copper
Inner Conductor Diameter (Nom.)	mm	17.3
Insulation Material		Physically foamed PE
Insulation Diameter (Nom.)	mm	43.5
Outer Conductor		Ring corrugated copper
Outer Conductor Diameter (Nom.)	mm	46.5
Outer Sheath		Flame retardant PE
Outer Sheath Colour		Black
Overall Diameter (Nom.)	mm	49.5

Mechanical Property

No.	Mechanical Specification	Unit	Designed Value
1	Max. tensile force	N	3630
2	Recommended maximum clamp spacing	M	1

Hermesys

Electrical Property

1	Nominal Impedance	Ω	50±1
2	Nominal capacitance	pF/m	76
3	Nominal inductance	μH/m	0.19
4	Propagation velocity	%	88
5	DC breakdown voltage	kV	8.0
6	Insulation resistance	MΩ•km	>5000
7	Cut-off frequency	GHz	2.75
8	Peak power rating	kW	315

Transmission Property

Attenuation values may be with a tolerance of 5%.

Frequency MHz	30	100	450	690	800	900	1000	1800	2000	2200	2400	2500
Attenuation @20℃, dB/100m(dB/100ft)	0.36(0.11)	0.67(0.20)	1.53(0.47)	1.95(0.59)	2.13(0.65)	2.29(0.70)	2.43(0.74)	3.47(1.06)	3.71(1.13)	3.94(1.20)	4.16(1.27)	4.27(1.30)
Power @40℃, kW	32.30	16.40	7.17	5.95	5.15	4.80	4.53	3.17	2.95	2.81	2.66	2.59

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS LADONX 50Ω 1-5/8" COAXIAL FEEDER CABLE WW YYYY XXXXM

Shipping Information

Packing Method	Wooden Drum with proper protection
Delivery Length	2/4 km per drum

Info@hermesys.com
Phone +65 66921168
42 Emerald Hill Road,Singapore