



LadonX™ 50Ω 1/2S" Coaxial Feeder Cable

Flame Resistant

IEC61034-1/-2

IEC60754-1/-2

IEC60332-1-2

Design Reference

ROHS

Application

Transmission of signal data.

Working Conditions

Storage Temperature

-55°C ~ +85°C

Installation Temperature:

-40°C ~ +60°C

Operation Temperature

-55°C ~ +85°C

Min. single bending radius

25mm

Min. repeated bending radius

30mm



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.

Technical data

Nominal Impedance	Ω	50
Inner Conductor Material		Copper Clad Aluminum
Inner Conductor Diameter (Nom.)	mm	3.58
Insulation Material		Physically foamed PE
Insulation Diameter (Nom.)	mm	9.9
Outer Conductor		Helical corrugated copper
Outer Conductor Diameter (Nom.)	mm	11.8
Outer Sheath		Fire Retardant PE
Outer Sheath Colour		Black
Overall Diameter (Nom.)	mm	13.4

Mechanical Property

No.	Mechanical Specification	Unit	Designed Value
1	Max. tensile force	N	760
2	Recommended maximum clamp spacing	M	1



Electrical Property

1	Nominal Impedance	Ω	50 $\pm$ 2
2	Nominal capacitance	pF/m	82
3	Nominal inductance	μ H/m	0.20
4	Propagation velocity	%	81
5	DC breakdown voltage	kV	2.5
6	Insulation resistance	M Ω •km	>5000
7	Cut-off frequency	GHz	13.1
8	Peak power rating	kW	15.5

Transmission Property

Attenuation values may be with a tolerance of 5%.

Frequency MHz	100	450	690	800	900	1000	1800	2000	2200	2400	2500
Attenuation @20°C, dB/100m(dB/100ft)	3.41(1.04)	7.59(2.31)	9.58(2.92)	10.40 (3.17)	11.20 (3.41)	11.80 (3.60)	16.60 (5.06)	17.60 (5.37)	18.61 (5.67)	19.59 (5.97)	20.07 (6.12)
Power @40°C, kW	3.08	1.38	1.15	1.01	0.94	0.88	0.63	0.60	0.56	0.54	0.53
2600	2700	3000	3400	3800	4000	5000	6000				
20.55 (6.27)	21.02 (6.41)	22.40 (6.83)	24.21 (7.38)	25.91 (7.90)	26.70 (8.15)	30.70 (9.35)	34.40(1 0.50)				
0.52	0.50	0.47	0.44	0.41	0.39	0.34	0.31				

Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS LADONX 50 Ω 1/25" COAXIAL FEEDER CABLE WW YYYY XXXXM

Shipping Information

Packing Method

Wooden Drum with proper protection

Delivery Length

2/4 km per drum

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