



## LadonX™ 75Ω RG59 Coaxial Cable

*LSOH OUTER SHEATH/STEEL WIRE BRAIDING SHIELDING/INNER SHEATH/BC BRAIDING SHIELDING/AL FOIL SHIELDING/DIELECTRIC*

### Flame Resistant

IEC 60332-1-1

IEC 60332-1-3

### Design Reference

IEC 60754-1

IEC 60228

IEC 61034

### Application

Transmission of signal data.

### Working Conditions

Storage Temperature

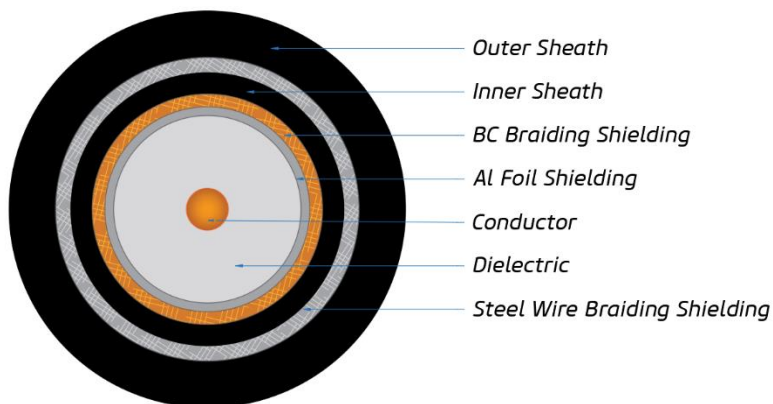
-20°C ~ +60°C

Installation Temperature:

-10°C ~ +60°C

Operation Temperature

-20°C ~ +90°C



## Technical data

|                                                   |    |                               |
|---------------------------------------------------|----|-------------------------------|
| Part No.                                          |    | RG59                          |
| Nominal Impedance                                 | Ω  | 75                            |
| Conductor Material                                |    | Bare copper                   |
| Conductor Diameter (Nom.)                         | mm | 0.81                          |
| Dielectric Material                               |    | Foam PE                       |
| Dielectric Diameter (Nom.)                        | mm | 3.66                          |
| Overall Shielding-1                               |    | Al Foil                       |
| Overall Shielding-2                               |    | 95% BC Braiding Shielding     |
| Inner Sheath                                      |    | LSOH                          |
| Inner Sheath Colour                               |    | Black                         |
| Thickness of Inner Sheath (Nom.)                  | mm | 0.4                           |
| Overall Shielding-3                               |    | Steel Wire Braiding Shielding |
| Coverage of Steel Wire Braiding Shielding         |    | ≥ 85%                         |
| Thickness of Steel Wire Braiding Shielding (Nom.) | mm | 0.3                           |
| Outer Sheath                                      |    | LSOH                          |
| Outer Sheath Colour                               |    | Black                         |
| Thickness of Outer Sheath (Nom.)                  | mm | 0.9                           |
| Overall Diameter (Nom.)                           | mm | 7.7                           |



## Mechanical & Electrical Property

| No. | Mechanical Specification        | Unit     | Designed Value |
|-----|---------------------------------|----------|----------------|
| 1   | Nominal Impedance               | $\Omega$ | 75             |
| 2   | Nominal Velocity of Propagation | %        | 85             |
| 3   | Nominal Capacitance             | pF/m     | 50             |
| 4   | Sparker Test                    | VAC      | 4000           |
| 5   | SRL                             | dB       | 20             |

| Attenuation     |      |      |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency (MHz) | 5    | 55   | 187   | 300   | 450   | 600   | 750   | 865   | 1000  | 1200  | 1450  | 1800  | 2200  |
| Max. (dB/100ft) | 0.86 | 2.05 | 3.60  | 4.45  | 5.40  | 6.20  | 6.97  | 7.52  | 8.12  | 8.97  | 9.88  | 11.81 | 13.05 |
| Max. (dB/100m)  | 2.82 | 6.73 | 11.81 | 14.60 | 17.72 | 20.34 | 22.87 | 24.67 | 26.64 | 29.40 | 32.41 | 38.72 | 42.78 |

## Sheath Marking

The outer sheath is marked in 1meter intervals as follows

HERMESYS LADONX 75 $\Omega$  RG59 COAXIAL 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



Hermesys 2015, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Hermesys: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Hermesys. The information is believed to be correct at the time of issue. Hermesys reserves the right to amend this specification without prior notice.

[www.hermesys.com](http://www.hermesys.com)