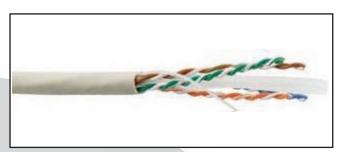


# DNS CABLE CAT6 UTP LSZH 400127

- EC Verified
- 100% tested acc. to ISO/IEC 11801; EN 50173-1; ANSI/TIA-568-C
- 25 Year DNS Warranty
- RoHS Compliant





# **FEATURES**

- 25 year DNS Warranty
- EC Verified
- Central `X` Filler
- 23AWG conductor
- 305m Box
- 100% tested acc. to ISO/IEC 11801;
  EN 50173-1:2018/EN 50173-2:2018
- Rip Cord
- Low Smoke and Halogen Free Outer Sheath
- Part no. 400127
- CRP Cca-sla,d1,a1

## CONSTRUCTION

Outher Diameter(±0.3mm)

Jacket Nom. Thickness

Conductor

Operating Temperature

Installation Temperature

Minimum Bend Radius

Cable Weight

305m Box Weight

**Box Dimensions** 

Combustible material mass

Standard of flame retardancy

6.46mm

0.65mm FR-LSZH(Low Smoke Zero Halogen)jacket

Solid Bare Copper AWG23

-10°C to +60°C

-10°C to +60°C

4x overall diameter installed, 8x during installation

4,3 Kg/100m

15.6 Kg (inc. box)

215mm wide x 408mm high x 408mm deep

2,4 Kg/100m

EN 60332-1-2:2004 A1:2015 & A11:2016;

EN 50575:2014 A1:2016; EN 60754-2:2014;

EN 13501-6:2014;

DATA NETWORK SYSTEM WWW.DNSYSTEM.EU DNS@DNSYSTEM.EU

#### PERFOMANCE OVERVIEW

Category 6 cables are manufactured and tested to the Category 6 performance standards defined by the TIA, ISO and EN standards bodies. Actual performance far exceeds the required standard.

The cable is also compatible with Category 5 and 5e components.

## PERFOMANCE TEST DATA

Freq MHz	NEXT (dB)	ATT(dB)	RL (dB)	PS NEXT (dB)	ELFEXT (dB)	PS ELFEXT (dB)
	DNS	DNS	DNS	DNS	DNS	DNS
1	72.3	2.0	20.0	72.3	65.0	72.6
10	57.3	5.8	25.0	57.3	45.0	51.8
16	54.2	7.4	25.0	54.2	40.9	47.5
20	52.8	8.3	25.0	52.8	39.0	45.5
25	51.3	9.3	24.8	51.3	37.6	43.5
31.25	49.9	10.4	23.6	49.9	35.1	41.5
62.5	45.4	15.1	21.5	45.4	29.1	35.2
100	42.3	19.3	20.1	42.3	25.0	31.0
200	37.8	28.2	18.0	37.8	19.0	24.7
250	36.3	39.5	17.3	36.3	17.0	12.8

## TYPICAL APPLICATIONS

○ 1000BASE-T Gigabit Ethernet ○ 10GBase UP to 55m\*

• 100BASE-TX Ethernet

Horizontal cabeling

Telephone Video

## **DNS WARRANTY SYSTEM**

The DNS System Warranty provides a 25-year product and applications warranty. The guarantee cover system and application performance according to EN50173-1:2002,

ANSI/TIA/EIA-568-B.2:2002 and ISO/IEC 11801-2 at the time of proper signed application form.

The warranty may be applied by the certified DNS Partner.

DNS Cat6 UT<mark>P perform in no</mark>n hostile <mark>Alien Crosstalk</mark> environment up to 55m, but in hostail(lot of\* cables bundeled together) Alien Crosstalk environment DNS cat6 UTP perform up to 37m.