

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

Outer Diameter(±0.3mm)	6.46mm
Jacket Nom. Thickness	0.65mm FR-LSZH(Low Smoke Zero Halogen)jacket
Conductor	Solid Bare Copper AWG23
Operating Temperature	-10°C to +60°C
Installation Temperature	-10°C to +60°C
Minimum Bend Radius	4x overall diameter installed, 8x during installation
Cable Weight	4,3 Kg/100m
305m Box Weight	15.6 Kg (inc. box)
Box Dimensions	215mm wide x 408mm high x 408mm deep
Combustible material mass	2,4 Kg/100m
Standard of flame retardancy	EN 60332-1-2:2004 A1:2015 & A1:2016; EN 50575:2014 A1:2016;EN 60754-2:2014; EN 13501-6:2014;

PERFORMANCE 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.

PERFORMANCE 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*
- LAN networks
- Audio
- 100BASE-TX Ethernet
- Horizontal cabling
- Telephone
- Video

*DNS Cat6 UTP perform in non hostile Alien Crosstalk environment up to 55m, but in hostile (lot of cables banded together) Alien Crosstalk environment DNS cat6 UTP perform up to 37m.

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.