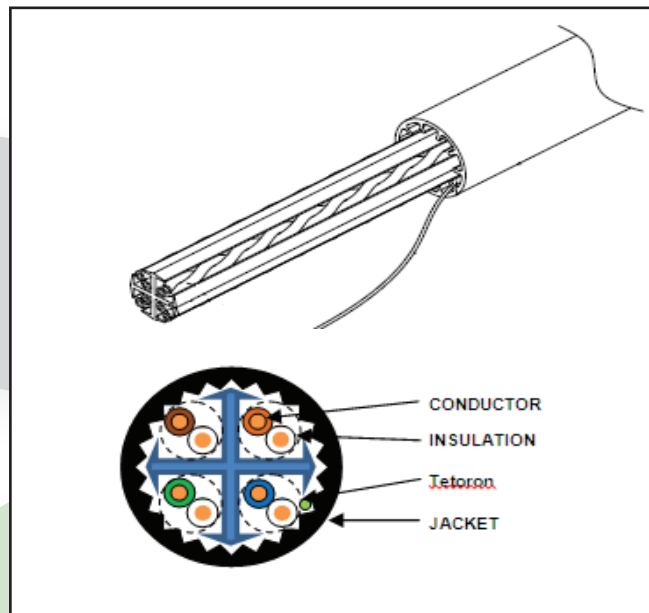


DNS CAT6A UTP LSZH B2ca

- EC Verified
- 100% tested acc. to ISO/IEC 11801; EN 50173-1; EN50288-11-1:2008 ANSI/TIA-568-C.2:2009
- 25 Year DNS Warranty
- RoHS Compliant



FEATURES

- 25 year DNS Warranty
- EC Verified
- Central LSZH `X` Filler
- 23AWG conductor
- 500m wooden drum
- 100% tested acc. to ISO/IEC 11801; EN 50173-1
- Rip Cord
- Purple LSZH FR Outer Sheath
- CPR B2ca s1a, d1, a1
- Product nr 400160

CONSTRUCTION

Outer Diameter(±0.4mm)

Conductor

Installation Temperature

Operating Temperature

Minimum Bend Radius

Maximum Pulling Tension

Cable Weight

Standards for halogen acidity

Standards for flammability

7.1 mm

Solid Bare Copper 0.57 mm AWG23

-10 to +60°C

-10 to +60°C

65mm

16kg

5,2kg/100m

IEC 60754-1; IEC 60754-2

IEC 60332-1-1; IEC 60332-1-2

PERFORMANCE OVERVIEW

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

The cable is also compatible with Category 6, 5e and 5 components.

PERFORMANCE TEST DATA

Freq MHz	NEXT (dB)	INS.LOSS (dB)	RL (dB)	PS NEXT (dB)	ELFEXT (dB)	PS ELFEXT (dB)
	DNS	DNS	DNS	DNS	DNS	DNS
1	-	-	20.0	72.3	-	-
10	60.3	5.9	25.0	57.3	48.0	45.0
20	55.8	8.4	25.0	52.8	42.0	39.0
31.25	52.9	10.5	23.6	49.9	38.1	35.1
62.5	48.4	15	21.5	45.4	32.1	29.1
100	45.3	19.1	20.1	42.3	28.0	25.0
250	39.3	31.1	17.3	36.3	20.0	17.0
300	38.1	34.3	17.3	35.1	18.5	15.5
400	36.3	40.1	17.3	33.3	16.0	13.0
500	34.8	45.3	17.3	31.8	14.0	11.0

*IEC 61156-5 ed.2.0 Category 6A horizontal cable parameters

TYPICAL APPLICATIONS

- 10G BASE-T Gigabit Ethernet
- 1000BASE-T Gigabit Ethernet
- LAN networks
- Horizontal cabling
- Audio
- 2.4/1.2Gb/s ATM
- Video

ELECTRICAL CHARACTERISTICS

Dielectric strength	AC 500V/1 min
Input Impedance	100Ω ±15 % 1-100MHz 100Ω ±22 % 101-250MHz
Conductor resistance	9,38Ω/100m
DC Resistance unbalance	max 5 %
Pair-to-ground capacitance unbalance	max 1600pF/km
Delay skew	45ns/100m

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.