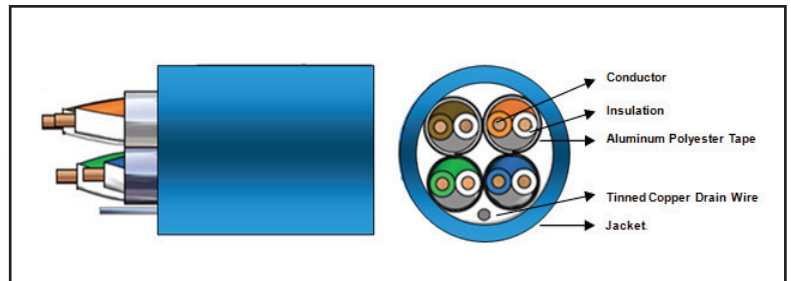


# DNS CABLE CAT6 F/UTP UVPE

- 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
- IEC 60332-3-24:2009 (Ed. 1.1)



## FEATURES

- 25 year DNS Warranty
- Characterised up to 250MHz
- 23AWG conductor
- 305m wooden drum/305m Box
- 100% tested acc. to ISO/IEC 11801; EN 50173
- Overall Aluminium Foil
- UVPE Black Outer Sheath

## CONSTRUCTION

Outer Diameter( $\pm 0.3$ mm)  
 Conductor  
 Installation Temperature  
 Operating Temperature  
 Minimum Bend Radius  
 Maximum Pulling Tension  
 NVP

7.4mm  
 Solid Bare Copper 0.57mm AWG23  
 -30 to +50°C  
 -30 to +60°C  
 60mm  
 25kg  
 69%

## 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 exceeds the required standard.

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

## PERFORMANCE TEST DATA

| Freq<br>MHz | NEXT (dB) | INS.LOSS<br>(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 6 horizontal cable parameters

## TYPICAL APPLICATIONS

- 1G BASE-T Gigabit Ethernet
- LAN networks
- Audio
- Video
- 1000BASE-T Gigabit Ethernet
- Horizontal cabling
- 2.4/1.2Gb/s ATM

## 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.