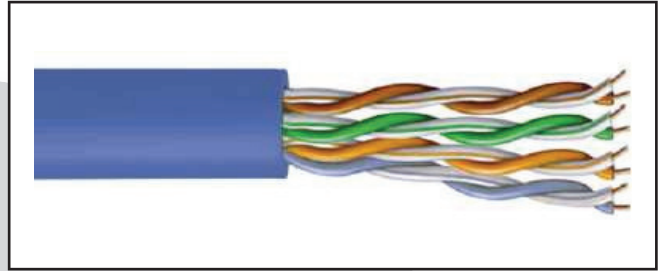# DNS

Data Network System

DNS CABLE CAT6 UTP UV-PE 400104

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

CE   RoHS COMPLIANT

FEATURES

- 25 year DNS Warranty
- Rip Cord
- Central `X`Filler
- 23AWG conductor
- 305m Box

- UVHD-PE Black Outer Sheath
- 100% tested acc. to ISO/IEC 11801; EN 50173-1

CONSTRUCTION

Outher Diameter(±0.3mm)	6.1mm
Jacket Nom. Thickness	UVHD-PE 0.65mm
Conductor	Solid Bare Copper AWG23
Installation Temperature Range	-10 to +60°C
Operating Temperature Range	-40 to +60°C
Minimum Bend Radius	4x overall diameter installed, 8x during installation
Cable Weight	4,9 Kg/100m
305m Box Weight	15 Kg (inc. box)
Box Dimensions	246mm wide x 415mm high x 420mm deep

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	82.5	2.0	21.0	80.4	75.7	72.6
10	66.9	5.8	27.0	64.8	54.9	51.8
16	63.7	7.4	27.0	61.7	50.7	47.5
20	62.2	8.3	27.0	60.2	48.6	45.5
25	60.7	9.3	25.9	58.6	46.6	43.5
31.25	59.2	10.4	25.7	57.1	44.6	41.5
62.5	54.5	15.1	23.7	52.4	38.3	35.2
100	51.3	19.3	23.5	49.2	34.1	31.0
200	49.6	28.2	23.0	44.6	27.8	24.7
250	29.3	39.5	16.3	26.3	13.8	12.8

TYPICAL APPLICATIONS

- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Ethernet
- 10GBase UP to 55m*
- Horizontal cabling
- LAN networks
- Telephone
- Audio
- Video

*DNS Cat6 UTP perform in non hostile Alien Crosstalk environment up to 55m, but in hostail(lot of cables bundeled 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.