



DTECH AV-READY CATEGORY 6 U/UTP 500MHZ

APPLICATIONS

Push your data cable further with DTECH AV-Ready Next-Gen Category 6 structured cables. With ever increasing bandwidth requirements across new and existing building cable infrastructure, the N-Link range is developed from the ground up to support not only 10GBASE-T but provide the capability of AV, Control & HD/4K video signal distribution to future proof your building networks. Certified by Intertek's ETL verification scheme and Valens HDBase-T Recommended cable Program.

SUPPORTS

- 10GBASE-T
- PoE Applications
- ELV Control
- HD/UHD/4K Video distribution*
- Audio distribution*

*Suitable hardware/communication systems required



COMPLIANCE & APPROVALS

- ANSI/TIA-568.2-D Category 6 Networks
- EN 50173-1
- ISO/IEC 11801
- EU RoHS3
- EN 50575:2014

COMPLIANCE & APPROVALS

- CPR Tested (Europe)
- CM Rated (North America)
- EN 50173-1:2011
- EN 50173-2/A1.2010
- DTECH Network 30 Year System Warranty

CONSTRUCTION, ELECTRICAL & UTILITY

Category	6
Conductor material	Solid bare copper / 4 pair
Conductor	1/23 AWG
Jacket Material	Low Smoke Zero Halogen
CPR Rating	Dca-s1,d1,a1
Core Insulation	PE
Core Identification	Coloured pairs – w/g, w/o, w/br, w/bl
Outer Diameter	6.2 +/- 0.1mm
Installation Temperature Range	0 – 60 °C
Impedance	100 +/-15 OHM
Dielectric Strength	1200V DC / 850V AC
Bending Radius	6 x OD
NVP Value	69%

PERFORMANCE (1)

Frequency	Attenuation Max (dB/100m)	Next Min (dB)	PS NEXT Min (dB)	ACR Min (dB)
1	1.9	80.3	76.6	78.0
4	3.7	75.4	74.2	71.9
10	5.8	67.6	65.9	61.8
20	7.5	71.9	69.1	63.7
31.25	9.9	68.7	67.1	56.3
62.5	15.2	59.6	58.3	44.3
100	18.8	60.0	58.0	41.2
200	27.5	57.5	58.0	30.1
250	29.4	55.8	54.1	26.4
300	33.3	54.2	53.2	20.9
400	38.6	53.8	52.1	- - -
500	43.9	51.0	49.6	- - -

PERFORMANCE (2)

Frequency	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT Min (dB)	PSACR Min (dB)
1	23.6	75.6	73.3	74.7
4	23.9	61.3	60.1	70.5
10	28.5	55.2	53.5	60.1
20	27.9	48.2	46.2	60.9
31.25	24.9	42.7	41.7	57.0
62.5	24.2	39.5	37.4	43.5
100	23.5	35.0	33.2	39.2
200	23.1	32.8	30.3	28.6
250	21.8	30.7	27.7	24.1
300	20.7	26.1	25.1	- - -
400	18.8	23.4	23.2	- - -
500	18.8	19.5	18.7	- - -

DISTRIBUTOR INFORMATION

Weight P/305M	13.8 KG
Pull Box Dimensions	40x40x20 CM
Part Code	C6-UTP-ZH-NRD
Box	Matt Laminated, stackable