

UTP CAT5E OUTDOOR

PRODUCTION SPECIFICATION

GENERAL SPECIFICATION AND INFORMATION

4P*24AWG BC(Solid Bare Copper)+0.9±0.02mm HDPE Insulation+Rip cord+5.0±0.1mm PVC Inner Jacket+6.2±0.2mm UV Stabilized PE outer Jacket

STANDARD

ISO/IEC 11801-Class D,
ITA/EIA 568-C,
IEC61156-5,
ANSI TIA/EIA 568-B.2,

EN 50173

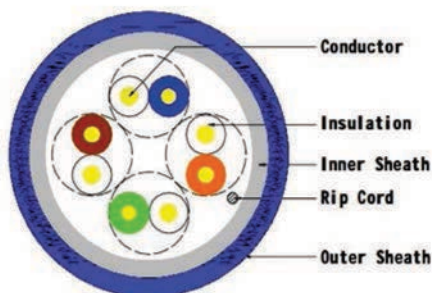
EN-50288-3-1

APPLICATION

10/100BASE-T(IEEE 802.3)
155Mbps ATM,100Mbps TP-
PMD,ISDN,Volp.,

ETHERNET, 1000BASE-
T,IEEE802.3AB,
100BASE-TX,Token ring,

GIGABIT-ETHERNET



ELECTRICAL SPECIFICATION

Dielectric strength	2.5KV dc-2seconds
Conductor resistance	Max 9.38ohm/100M at 20℃
Max. ring resistance	16.8 ohm/100M at 20℃
Max. mutual capacitance	560 pf/100M
Max. capacity unbalance	330 pf/100M
Propagation delay	536ns/100M
Delay Skew	25ns max
Resistance Unbalance	2% max
Standard impedance	100±15 ohm between 1Mhz and 100Mhz
Minimum bending radius	50mm
Working temperatures	- 30~60℃
Performance DTX1800 Test	100% Pass 90M FLUKE LINK Test

Frequency (Mhz)	ACR (dB)	RL (dB)	ATT (dB/100)	NEXT (dB)	PS.NEXT (dB)	ELFEXT (dB)	PS-ELFEXT (dB)
1	66.3	20	2	68	66	63.8	60.8
4	55.2	23	4.1	59.2	57.2	51.7	48.8
10	46.8	25	6.5	53.3	51.3	43.8	40.8
16	42.1	25	8.2	50.3	48.3	39.7	36.7
20	39.5	25	9.3	48.8	46.8	37.8	34.8
25	36.9	24.3	10.4	47.3	45.3	35.8	32.8
31.25	34.2	23.6	11.8	45.9	43.9	33.9	30.9
62.3	24.4	21.5	17.1	41.1	39.4	27.8	24.8
100	16.3	20.1	22.2	38.3	36.3	23.8	20.8