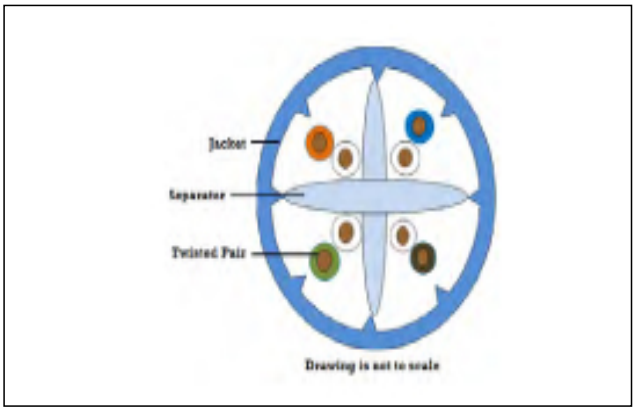
Issue Date: 11/01/2010
Revision #: 1.00

Part No.: 6UB234UTP

Category 6A Augmented 500 MHz Plenum

ETL listed for guaranteed performance
Made in the USA



Applications

Supports all category 6A applications including Ethernet 10 Gigabit, 100BASETX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422.

Construction Details

No. 23 AWG copper conductor insulated with FEP.
Two colored
mated insulated conductors twisted together to form a pair and four pairs assembled around a pair separator to form a core. The core is jacketed with a low smoke, flame retardant PVC.

Electricals

Mutual Capacitance: 14 pF/ft nominal
Capacitance Unbalance: 330 pF/ft maximum
Velocity of Propagation: 72%
Max. Conductor D.C.R.: 28.6 ohm/1000 feet
Max. DCR Unbalance: 5%
Max. Delay Skew: 45 ns/100m
Characteristic Impedance: from 0.772 - 100 MHz 100 ± 15%
from 101 - 200 MHz 100 ± 22%
from 201 - 500 MHz 100 ± 32%

Color Code:

Pair	Color Code
1	Blue with White
2	Orange with White
3	Green with White
4	Brown with White

Technical Details

Temperature Rating
Installation: -0°C to 50°C
Nominal Diameter: 0.320 in.
Operation: -2°C to 60°C
Maximum Installing Tension: 40.8 lbf
Minimum Bending Radius: 1.250 inch
Nominal Cable Weight: 48 lb/1000 feet

Standards

ANSI/TIA/EIA 568C.2 Category 6A
National Electric Code ? Article 800
11801:2002 Category 6A

Codes & Listings

CMP Rating FT6
C(ETL)US CMP

Preparation for Shipment

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

Warranty Info

All warranty information can be viewed at www.remee.com. This product is RoHS compliant and is directive 2002/95/EC. It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.

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Remee
wire and cable
engineered with you in mind

Electrical Characteristics:

Frequency	Return Loss	Insertion Loss	NEXT	PS-NEXT	ACRF	PS-ACRF	Prop. Delay	Alien Crosstalk	
								PS ANEXT	PS AACRF
MHz	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Maximum	Minimum	Minimum
1	20.0	2.0	74.3	72.3	67.8	64.8	570.0	67.0	67.0
4	23.0	3.8	65.3	63.3	52.8	52.8	552.0	67.0	66.2
8	24.5	5.3	60.8	58.8	46.7	46.7	546.7	67.0	60.1
10	25.0	5.9	59.3	57.3	44.8	44.8	545.4	67.0	58.2
16	25.0	7.4	56.2	54.2	40.7	40.7	543.0	67.0	54.1
20	25.0	8.3	54.8	52.8	38.8	38.8	542.0	67.0	52.2
25	24.3	9.3	53.3	51.3	36.8	36.8	541.2	67.0	50.2
31.25	23.6	10.5	51.9	49.9	34.9	34.9	540.4	67.0	48.3
62.5	21.5	14.9	57.4	45.4	28.9	28.9	538.6	65.6	42.3
100	20.1	19.1	44.3	42.3	24.8	24.8	537.6	62.5	38.2
155	18.8	24.0	41.4	39.4	21.0	21.0	536.9	59.6	34.4
200	18.0	27.5	39.8	37.8	18.8	18.8	536.5	58.0	32.2
250	17.3	31.0	38.3	36.3	16.8	16.8	536.3	56.5	30.2
300	16.8	34.2	37.1	35.1	15.3	15.3	536.1	55.3	28.7
350	16.3	37.2	36.1	34.1	13.9	13.9	535.9	54.3	27.3
400	15.9	40.0	35.3	33.3	12.8	12.8	535.8	53.5	26.2
500	15.2	45.2	33.8	31.8	10.8	10.8	535.6	52.0	24.2

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