

Part No.: 6UB234STP

## 6UB234STP

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 (Overall)

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 shielded and 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  
Operation: -2°C to 60°C  
Nominal Diameter: 0.305 in.  
Maximum Installing Tension: 25 lbf  
Minimum Bending Radius: 2.0 inch  
Nominal Cable Weight: 48 lb/1000 feet

### Standards

ANSI/TIA/EIA 568C.2 Category 6A  
National Electric Code %u2013 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](http://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.

**Electrical Characteristics:**

Frequency MHz	Return Loss	Insertion Loss	NEXT	PS-NEXT	ACRF	PS-ACRF	Prop. Delay	Alien Crosstalk	
	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	PS ANEXT	PS AACRF
	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