

Part No.: 6B234STP

## Category 6 Shielded 250MHz Plenum

ETL listed for guaranteed performance  
Made in the USA

### Applications

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

### Construction Details

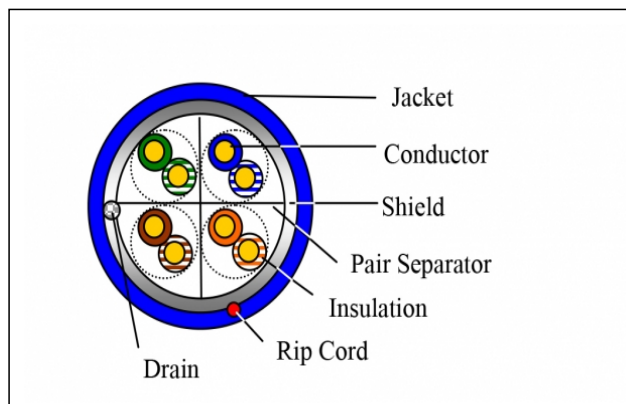
No. 23 AWG solid bare copper conductor insulated with FEP. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled around a pair separator to form a core. The core is overall shielded and jacketed with a low smoke flame retardant PVC.

### Electricals

Mutual Capacitance: 14 pF/ft nominal  
Capacitance Unbalance: 330 pF/100m maximum  
Velocity of Propagation: 72%  
Max. Conductor D.C.R.: 28.6 ohm/1000 feet  
Max. DCR Unbalance: 5%  
Max. Delay Skew: 45.0ns/100m  
Characteristic Impedance: from 0.772 ohm 100 MHz 100 ohm 15%  
from 101 ohm 250 MHz 100 ohm 22%

### 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.  
Nominal cable weight: 49 lb/1000 feet

### Standards

ANSI/TIA/EIA 568C.2 Category 6  
National Electric Code- Article 800

### Codes & Listings

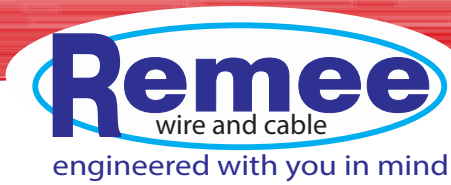
C(ETL)US CMP, FT6  
NFPA 262 Plenum Flame Test, FT6  
ETL Electrically Verified to ANSI/TIA/EIA 568C.2  
Category 6

### 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	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
MHz	dB	dB(100m)	dB	dB	dB	dB	dB	dB
	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8	78.3	76.3
4	23.0	3.8	71.3	69.3	61.8	58.8	67.5	65.5
10	25.0	6.0	65.3	63.3	53.8	50.8	59.3	57.3
16	25.0	7.6	62.2	60.2	49.7	46.7	54.6	52.6
20	25.0	8.5	60.8	58.8	47.8	44.8	52.3	50.3
31.25	23.6	10.7	57.9	55.9	43.9	40.9	47.2	45.2
62.5	21.5	15.4	53.4	51.4	37.9	34.9	38.0	36.0
100	20.1	19.8	50.3	48.3	33.8	30.8	30.5	28.5
200	18.0	29.0	45.8	43.8	27.8	24.8	16.8	14.9
250	17.3	32.8	44.3	42.3	25.8	22.8	11.5	9.5