

Part No.: 6UA234STP

6UA234STP

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 polyethylene. 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 flame retardant PVC.

Electricals

Mutual Capacitance: 14 pF/ft nominal
Capacitance Unbalance: 330 pF/ft maximum
Velocity of Propagation: 70%
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 $100 \pm 15\%$
from 101 - 200 MHz $100 \pm 22\%$
from 201 - 500 MHz $100 \pm 32\%$

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: -20°C to 60°C
Nominal Diameter: 0.305 in.
Maximum Installing Tension: 25 lbf
Minimum Bending Radius: 2.0 inch
Nominal Cable Weight: 50 lb/1000 feet

Standards

ANSI/TIA/EIA 568C.2 Category 6A
National Electric Code 2013 Article 800
11801:2002 Category 6A

Preparation for Shipment

CMR Rating FT4
C(ETL)US CMR

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.

Electrical Characteristics:

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