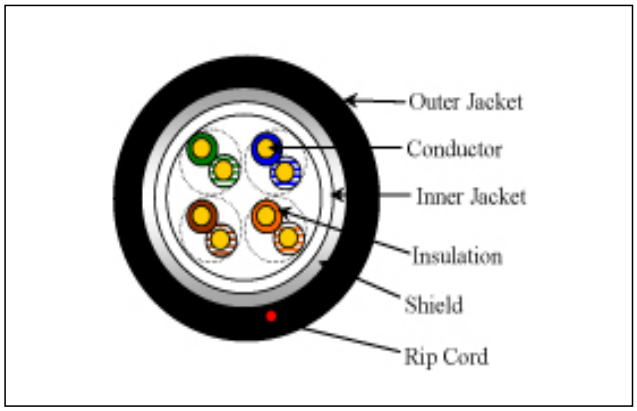
Remee wire and cable
engineered with you in mind

Issue Date: 06/01/2014
Revision #: 3.00

Part No.: 5AE244STP/POLY

Category 5e Shielded

Made in the USA



Applications

Supports all category 5 applications including Ethernet 100BASE -TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, and Ethernet 1000BASE-T

Construction Details

No. 24 AWG solid bare copper conductor insulated with polyethylene. Two colored mated insulated conductors twisted together to form a pair and four pairs assembled to form a core. The core is inner jacketed, a shield is applied over the inner jacket with an overall polyethylene jacket applied over the shield. Suitable for direct burial.

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: 45.0 ns/100m
Characteristic Impedance: from 0.772 ohm 100 MHz 100 ± 15%
Working Voltage: 300 Volts rms.

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 Overall Diameter: 0.255 in.
Nominal Cable Weight: 30 lbs/1,000 feet

Standards

ANSI/TIA/EIA 568C.2 Category 5e

Codes & Listings

Non-Listed

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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Electrical Characteristics:

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
MHz	dB	dB	dB(100m)	dB	dB	dB	dB	dB	dB
	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	65.3	62.3	63.3	60.8	63	3
4	23.0	20.3	4.0	56.3	53.3	51.7	48.7	52.3	49.3
8	23.0	20.5	5.7	51.8	48.8	45.7	42.7	46.1	43.1
10	23.0	25.0	6.4	50.3	47.3	43.8	40.8	43.9	40.4
16	23.0	25.0	8.2	47.3	44.3	39.7	36.7	39.1	36.1
20	23.0	25.0	9.2	45.8	42.8	37.7	34.7	36.6	33.6
25	22.0	25.0	10.4	44.3	41.3	35.8	32.8	33.9	30.9
31.25	21.1	23.6	11.7	42.9	39.9	33.9	30.9	31.2	28.2
62.5	18.1	21.5	16.9	38.4	35.4	27.8	24.8	21.5	18.5
100	16.0	20.1	21.9	35.3	32.3	23.8	20.8	13.4	10.4

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