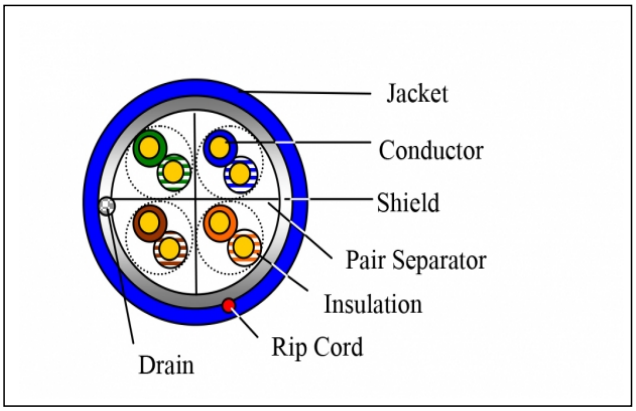
Issue Date: 09/01/2012
Revision #: 2.00

Part No.: 6RF234STPENH

Category 6 Shielded 550MHz Non-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 polyolefin. 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 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: 45.0 ns/100m
Characteristic Impedance: from 0.772 - 100 MHz 100 ohm 15%
from 101 - 250 MHz 100 ohm 22%
from 251 - 550 MHz 100 ohm 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.
Nominal Cable Weight: 49 lbs/1,000 feet

Standards

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

Codes & Listings

CMR Rating FT4
ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 6
C(ETL)US CMR

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	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
300	16.8	36.4	43.1	41.1	24.3	21.3	- - -	- - -
350	16.3	39.8	42.1	40.1	22.9	19.9	- - -	- - -
400	15.9	43.0	41.3	39.3	21.8	18.8	- - -	- - -
500	14.8	49.5	40.2	38.2	20.0	17.0	- - -	- - -
550	14.4	53.1	39.5	37.5	18.9	15.9	- - -	- - -

*Values above 250 MHz are for engineering information only

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