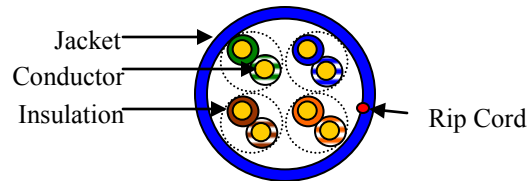


Part No.: 6RNS

ETL verified for guaranteed performance

Applications

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



Construction Details:

No. 23 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 jacketed with a flame retardant PVC.

Color Code:

Pair	Color Code
1	Blue with White
2	Orange with White
3	Green with White
4	Brown with White

Electrical Parameters:

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:	3%
Max. Delay Skew:	18.0 ns/100m
Characteristic Impedance:	from 0.772 - 100 MHz 100Ω ± 15%
	from 101 - 250 MHz 100Ω ± 22%
	from 251 - 550 MHz 100Ω ± 32%

Technical Details

Temperature Rating	
Installation	0°C to 50°C
Operation	-10°C to 60°C
Nominal Diameter	0.195 in.
Nominal cable weight:	30 lb/1000 feet

Standards

- ANSI/TIA/EIA 568C.2 Category 6
- UL Subject 444
- IEEE 802.3af

Codes & Listings

- UL 1666: CMR rating FT4
- ETL Electrically Verified to ANSI/TIA/EIA 568C.2 Category 6
- C(ETL)US CMR



Issue Date: 06/15
Revision: 2

All warranty information can be viewed at WWW.REMEE.COM.

This product is RoHS compliant to directive 2002/95/EC .

1751 State RTE. 17A STE #1 Florida, NY 10921
Customer Service: 800-431-3864 Fax: 845-651-4160 Website: www.remee.com

Part No.: 6RNS

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Electrical Characteristics:

Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
	dB	dB(100m)	dB	dB	dB	dB	dB	dB
MHz	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

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.



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Category 6
550 MHz
Non-Plenum

Part No.: 6RNS

ETL verified for guaranteed performance

Note: While Remeewire and cable has made every reasonable effort to ensure the accuracy of the information in this document, Remeewire and cable does not guarantee that it is error-free, nor does Remeewire and cable make any other representation, warranty, or guarantee that the information is accurate, correct, reliable or current. Remeewire and cable reserves the right to make any adjustments to the information contained herein at any time without notice. Remeewire and cable expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice.

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature: _____

Company: _____

Date: _____



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