

# Category 5e + 18/2 Siamese Plenum

ETL listed for guaranteed performance  
Made in the USA

Part No.: RMMS5BE725181

## Applications:

This document establishes the specifications for a cable containing one Category 5e and a two conductor 18AWG shielded cable in a siamese construction with a low smoke jacket.

## 2c18 Construction Details:

Conductor: 18AWG Stranded Bare Copper  
Number of Conductors: 2/C  
Insulation Material: Low Smoke PVC  
Insulation Color: Black, Red  
Drain Wire: Stranded Tin Copper  
Shield: Aluminum/Polyester (100% coverage)

## Cat5e Construction Details:

Conductor: 24AWG Solid Bare Copper.  
Number of Conductors: 4 Pairs (8/C)  
Insulation Material: FEP.

## Overall Cable Construction Details:

Construction Type: One Cat5e and one 2c18AWG shielded are pulled in parallel at extrusion in a siamese construction.

Jacket Material: Low Smoke PVC  
Jacket Color: Per Customer Requirement  
Nominal Jacket Thickness: 0.018 in.  
Nominal Overall Diameter: Minor over Cat5e: 0.206 in.  
Minor over 2c18: 0.170 in.  
Major: 0.401 in.

Surface Print: ETL VERIFIED CAT5E TO  
TIA-568C.2...3122598 CMP 24AWG 4UTP  
CAT5E 2/C 18AWG SHIELDED  
C(ETL)US FT6 MADE IN USA + Sequential  
Footage Markings

## Standards:

- NEC Article 800
- UL Standard 444
- ANSI/TIA/EIA 568C.2 Category 5e

## Codes & Listings:

- CMP Rating
- C(ETL)US

## Electrical Parameters (Cat5e):

Nominal Mutual Capacitance:	14 pF/ft
Maximum Capacitance Unbalance:	330 pF/ft
Velocity of Propagation:	72%
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 ± 15%

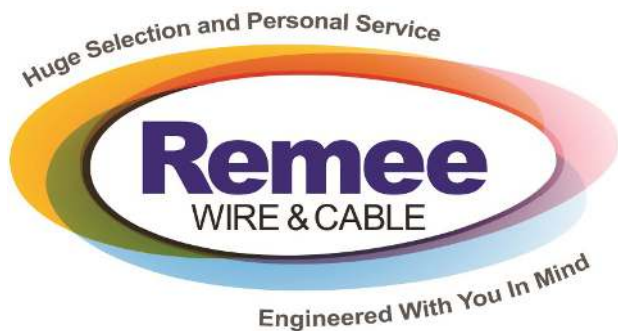


Issue Date: 07/17

All warranty information can be viewed at

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



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## Electrical Characteristics:

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	ACR	PS-ACR
	dB	dB	dB(100m)	dB	dB	dB	dB	dB	dB
MHz	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	65.3	62.3	63.8	60.8	63.3	60.3
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

## 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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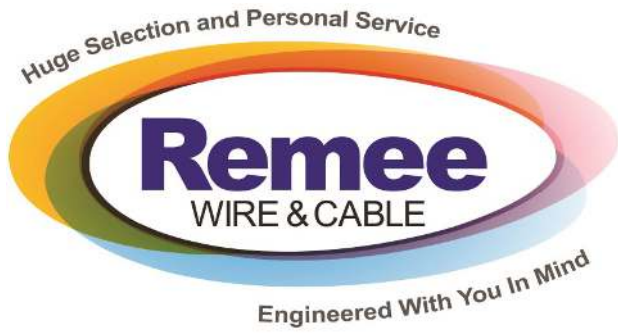


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Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature: \_\_\_\_\_  
Company: \_\_\_\_\_  
Date: \_\_\_\_\_



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