

Part No.: RMMS5BE+725181

Category 5e + 18/2 Siamese Plenum

ETL listed for guaranteed performance
Made in the USA

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.

Construction Details 2c18

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

Construction Details Cat5e

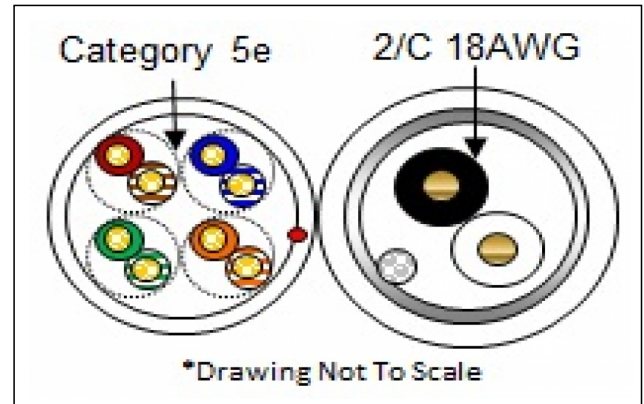
Conductor: 24AWG Solid Bare Copper.
Number of Conductors: 4 Pairs (8/C)
Insulation Material: FEP.

Overall Construction

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..200 in.
Minor over 2c18: 0.163 in.
Major: 0.388 in.
Wt: 46 lbs/1M?

Electricals - 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



Technical Details

Nominal Diameter -
Minor over Cat5e: 0..200 in.
Minor over 2c18: 0.163 in.
Major: 0.388 in.

Standards

ANSI/TIA/EIA 568C.2 Category 5e
NEC Article 800

Codes & Listings

CMP Rating
C(ETL)US

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

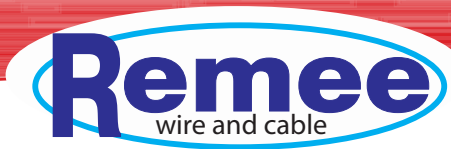
All warranty information can be viewed at www.remee.com. This product is RoHS compliant and is directive 2002/95/EC. It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice.



Characteristic Impedance: from 0.772 - 100 MHz 100 ohm 15%
from 101 - 250 MHz 100 ohm 22%
from 251 - 350 MHz 100 ohm 32%

Color Code:

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



Electrical Characteristics:

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
MHz	dB	dB	dB(100m)	dB	dB	dB	dB
	Minimum	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	23.0	20.0	2.0	70.3	68.3	63.8	60.8
4	23.0	20.3	4.0	61.3	59.3	51.7	48.7
10	23.0	25.0	6.4	55.3	53.3	43.8	40.8
16	23.0	25.0	8.2	52.3	50.3	39.7	36.7
20	23.0	25.0	9.2	50.8	48.8	37.7	34.7
31.25	21.1	23.6	11.7	47.9	45.9	33.9	30.9
62.5	18.1	21.5	16.9	43.4	41.4	27.8	24.8
100	16.0	20.1	21.9	40.3	3	23.8	20.8