

Part No.: RMMS5AE350+1006

Category 5e + 18/2 Siamese Non-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 cable in a siamese construction with a polyvinyl chloride jacket.

2c18

Conductor: 18AWG Stranded Bare Copper
Number of Conductors: 2/C
Insulation Material: Polyvinyl Chloride
Insulation Color: Black, Red

Cat5e

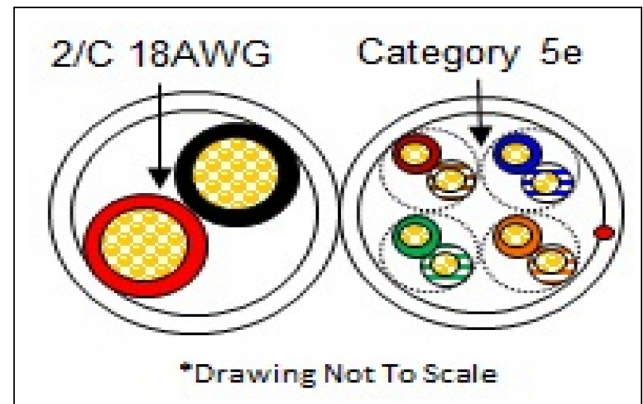
Conductor: 24AWG Solid Bare Copper.
Number of Conductors: 4 Pairs (8/C)
Insulation Material: Polyethylene.

Overall

Construction Type: One Cat5e and one 2c18AWG are pulled in parallel at extrusion in a siamese construction.
Jacket Material: Polyvinyl Chloride
Jacket Color: Per Customer Requirement
Nominal Jacket Thickness: 0.025 in.
Nominal Overall Diameter: Minor over Cat5e: 0.210 in.
Minor over 2c18: 0.182 in.
Major: 0.417 in.

Cat5e

Nominal Mutual Capacitance: 14 pF/ft
Maximum Capacitance Unbalance: 330 pF/ft
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 - 350 MHz 100 ohm 32%



Standards

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

Codes & Listings

CMR Rating FT4
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.

Electrical Characteristics (Cat5e):

| Frequency | SRL dB | Return Loss dB | Attenuation dB(100m) | NEXT dB | PS-NEXT dB | ELFEXT dB | PS-ELFEXT dB | ACR dB | PS-ACR 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 |
| 250 | 12.0 | 17.3 | 36.8 | 34.3 | 32.3 | 15.8 | 12.8 | ----- | ----- |
| 300 | 11.2 | 16.8 | 40.9 | 33.2 | 31.2 | 14.2 | 11.2 | ----- | ----- |
| 350 | 10.6 | 16.3 | 44.8 | 32.2 | 30.2 | 12.9 | 9.9 | ----- | ----- |