

Part No.: RMMJ5AE3501564W

### Applications:

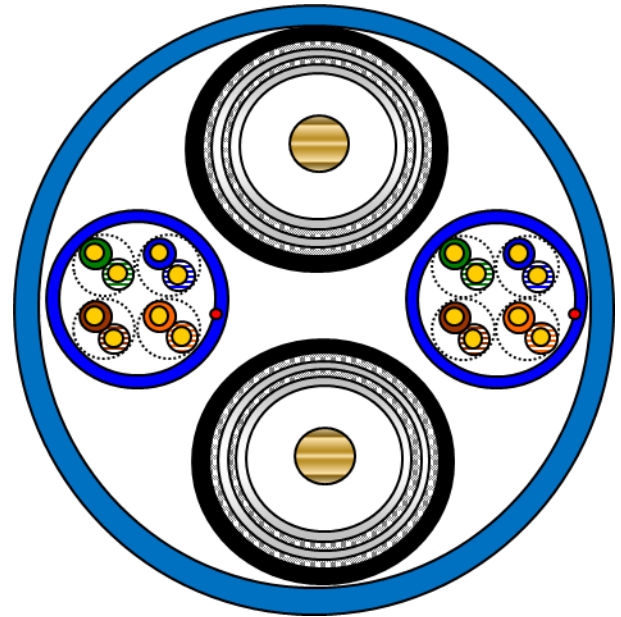
This document establishes the specifications for a multi-media cable containing two quad shield RG-6/U coaxial cables and two Category 5e 350MHz under an overall jacket.

### RG-6/U Construction Details:

Conductor: 18AWG Solid Bare Copperweld  
Dielectric: Cellular Polyethylene.  
Nominal Dielectric Core Diameter: 0.180"  
1<sup>st</sup> Shield: Coaxial Shielding Tape (100% Coverage)  
2<sup>nd</sup> Shield: Aluminum Braid  
3<sup>rd</sup> Shield: Aluminum/Polyester Tape (100% Coverage)  
4<sup>th</sup> Shield: Aluminum Braid  
Jacket material: Polyvinyl Chloride  
Jacket Color: Black, Pink  
Nominal Diameter: 0.282"  
Surface Print: N/A

### Cat5e Construction Details:

Conductor: 24AWG Solid Bare Copper.  
Number of Conductors: 4 Pairs (8/C)  
Insulation Material: Polyethylene.  
Jacket material: Polyvinyl Chloride  
Jacket Color: Blue, Yellow  
Nominal Diameter: 0.196"  
Surface Print: N/A



### Standards:

- National Electric Code - Article 800
- UL 444, Type CMR FT4
- ANSI/TIA/EIA 568C.2 Category 5e

### Codes & Listings:

- C(ETL)US CMR
- CSA FT4

### Overall Cable Construction Details:

Construction Type: 2 Cat5e 350MHz cables and 2 RG-6/U cables are cabled together to form the core.

Jacket Material: Polyvinyl Chloride  
Jacket Color: Per Customer Requirement  
Nominal Jacket Thickness: 0.025"  
Nominal Overall Diameter: 0.638"

Surface Print: 3122598 MULTI-MEDIA  
2RG6U/18AWG QUAD SHIELD SWEPT TO  
3.0 GHZ + 2 CAT5E/24AWG ENHANCED  
CMR FT4 C(ETL)US + Sequential Footage  
Marking

Issue Date: 06/15  
Revision: 2

All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM).

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

PO Box 488 468 RT17A Florida, NY 10921  
Customer Service: 800-431-3864 Fax: 845-651-4160 Website: [www.remee.com](http://www.remee.com)



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## \*RG-6/U Electrical Characteristics:

Nominal Capacitance: 16.2 pF/ft.  
 Nominal Characteristic Impedance: 75Ω  
 Nominal Velocity of Propagation: 84%  
 Nominal Attenuation (dB per 100 ft.):  
 1.46 dB @ 50 MHz      7.50 dB @ 1200 MHz  
 2.05 dB @ 100 MHz    8.50 dB @ 1800 MHz  
 2.83 dB @ 200 MHz    9.50 dB @ 2200 MHz  
 6.88 dB @ 1000 MHz    12.0 dB @ 3000 MHz

## \*Cat5e Electrical Details:

Nominal Mutual Capacitance: 14 pF/ft.  
 Nominal Velocity of Propagation: 70%  
 Maximum Capacitance Unbalance: 330 pF/ft.  
 Maximum Conductor D.C.R.: 28.6Ω/1000 ft.  
 Maximum D.C.R. Unbalance: 5%  
 Maximum Delay Skew: 45.0ns/100m  
 Nominal Characteristic Impedance:  
     from 0.772 MHz - 100 MHz    100 ± 15%  
     from 100 MHz - 350 MHz    100 ± 22%

## \*Cat5e Electrical Characteristics:

Frequency	SRL	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
	dB	dB(100m)	dB	dB	dB	dB	dB
MHz	Minimum	Maximum	Minimum	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	53.8	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	38.3	23.8	20.8
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

\*All electricals are prior to cabling

## 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 5e + RG-6/U Multi Media Cable

ETL listed for guaranteed performance

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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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