

Part No.: RMMJ6A1564W

## Category 6 + RG-6/U Multi Media Cable

ETL listed for guaranteed performance

### Applications

This document establishes the specifications for a quad shield RG 6/U type 75 ohm coaxial cable used for video display, point-of-sale terminals, Local Area Network controls and CATV broadcast applications swept to 3000 MHz.

### Construction Details - RG-6/U

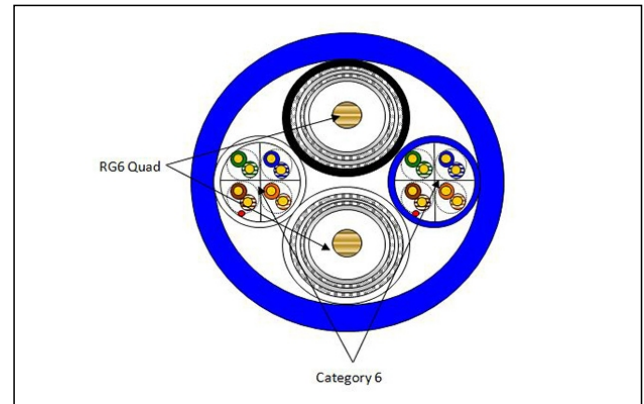
Conductor: 18AWG Solid Bare Copperweld.  
Dielectric: Cellular Polyethylene.  
Nominal Dielectric Core Diameter: 0.180 in.  
1st Shield: Bonded Coaxial Shielding Tape (100% Coverage)  
2nd Shield: Aluminum Braid  
3rd Shield: Coaxial Shielding Tape  
4th Shield: Aluminum Braid  
Jacket material: Polyvinyl Chloride  
Jacket Color: Black and White  
Nominal Diameter: 0.282 in.  
Surface Print: None

### Construction Details - Cat6

Conductor: 23AWG Solid Bare Copper.  
Number of Conductors: 4 Pairs (8/C)  
Insulation Material: Polyethylene.  
Jacket material: Polyvinyl Chloride  
Jacket Color: Blue and White  
Nominal Diameter: 0.240 in.  
Surface Print: None

### Overall

Construction Type: 2 Cat6 cables and 2 RG-6/U cables cabled together to form the core and jacketed.  
Jacket Material: PVC  
Jacket Color: Per Customer Requirement  
Nominal Jacket Thickness: 0.025 in.  
Nominal Overall Diameter: 0.680 in.  
Surface Print: Per customer requirement



### Technical Details

Temperature Rating:

Maximum installing tension: 25 lbf  
Minimum bending radius: 1.0 inch  
Nominal weight: 34 lb/1000 ft  
Nominal Diameter 0.240 in.

### Standards

ANSI/TIA/EIA 568C.2 Category 6  
National Electric Code - Article 800

### Codes & Listings

UL 1581: CM 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](http://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.

## Electricals

### Cat6:

Mutual Capacitance: 14 pF/ft nominal  
 Capacitance Unbalance: 330 pF/ft maximum  
 Velocity of Propagation: 70%  
 Max. Conductor D.C.R.: 28.6 ohms/1000 ft  
 Max. D.C.R. Unbalance: 3%  
 Max. Delay Skew: 18 ns/100m

### RG6/U:

Mutual Capacitance: 16.2 pF/ft nominal  
 Characteristic impedance: 75 ohms, nominal.  
 Velocity of Propagation: 84%, nominal  
 Nominal attenuation dB per 100 feet:  
 1.46 dB @ 50 MHz  
 2.05 dB @ 100 MHz  
 2.83 dB @ 200 MHz  
 6.88 dB @ 1000 MHz  
 7.50 dB @ 1200 MHz  
 8.04 dB @ 1450 MHz  
 8.50 dB @ 1800 MHz  
 9.50 dB @ 2200 MHz  
 12.0 dB @ 3000 MHz

## Color Code:

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

