

Part No.: RMMJ2X6A1564W

## 2x Cat 6 2x RG6U Quad Overall Jacket Non Plenum

### Applications

Supports all category 6 applications including Ethernet 100BASE-TX, 100BASE-VG and 155 ATM. Particularly suited for high bandwidth applications such as 622 ATM, Wideband, Ethernet 1000BASE-T and emerging applications with anticipated data rates to 3.2 Gbps.

### Construction Details - RG6/U

Center conductor: 18AWG Solid bare copperweld  
Dielectric: Cellular Polyethylene  
Dielectric core O.D.: 0.180 in., nominal  
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  
Overall O.D.: 0.282 in., nominal  
Color: Black or per customer requirement

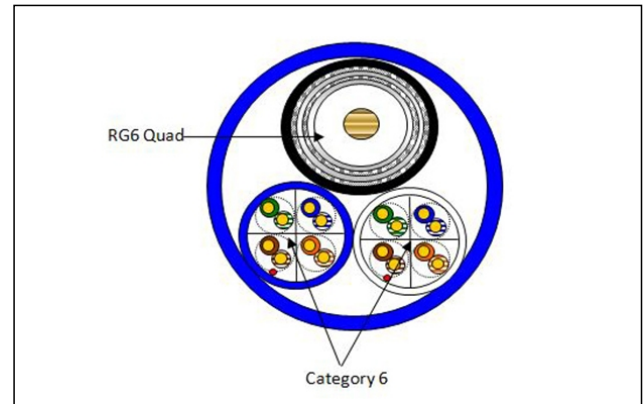
### Overall Construction

Two category 6 and one RG6/U are cabled and overall jacketed.  
Jacket: PVC  
Color: Per customer requirement  
Diameter: 0.598 in., nominal  
Surface print: Per customer requirement

### 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:



### Technical Details

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

### Codes & Listings

UL 1581: CM rating (tray)  
ETL Electrically Verified to ANSI/TIA/EIA  
568C.2 Category 6  
C(ETL)

### 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.



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  
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



### Electrical Characteristics:

Frequency	Return Loss	Attenuation	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
MHz	dB	dB(100m)	dB	dB	dB	dB
	Minimum	Maximum	Minimum	Minimum	Minimum	Minimum
1	20.0	2.0	80.3	78.3	73.8	70.8
4	23.0	3.8	71.3	69.3	61.8	58.8
10	25.0	6.0	65.3	63.3	53.8	50.8
16	25.0	7.6	62.2	60.2	49.7	46.7
20	25.0	8.5	60.8	58.8	47.8	44.8
31.25	23.6	10.7	57.9	55.9	43.9	40.9
62.5	21.5	15.4	53.4	51.4	37.9	34.9
100	20.1	19.8	50.3	48.3	33.9	30.9
200	18.0	29.0	45.8	43.8	27.8	24.8
250	17.3	32.8	44.3	42.3	25.8	22.8