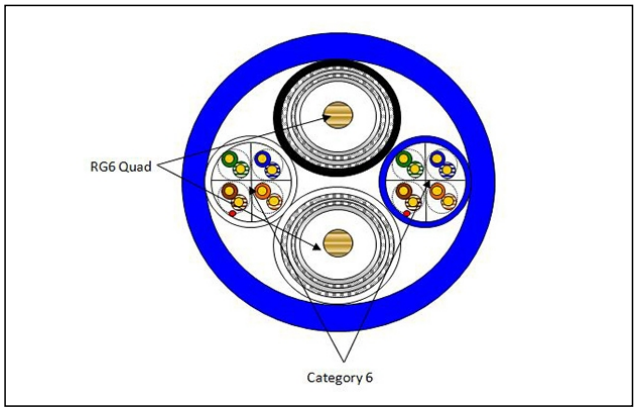
Part No.: RMMJ6A1564W

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. 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.

Remee Products Inc.
P.O. Box 488 1751 Highway Rt.17A
Florida, New York 10921
t: 800.431.3864 e:info@remee.com

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

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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	33.8	30.8
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

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