

**PART NO. 16Q6CMRRx**
**DESCRIPTION:**

CAT6 UTP: CAT6 UTP 23 AWG 4 PAIR + RG6  
QUAD SHIELD CMR SIAMESE

The Cable meets RoHS

**RG-6 QUAD PERFORMANCE**
**Attenuation (in 20 °C) dB/kf**

MHz	Normal	Maximum
5	5.45	5.88
55	15.32	16.15
211	28.65	30.60
750	54.15	56.82
880	60.00	61.15
1000	63.90	65.70
1450	78.45	80.55
1750	87.00	89.70
2050	96.15	98.10
2250	99.00	100.50
3000	113.00	119.00

Impedance (Ω) 1.0-250.0MHz 100± 15  
250.0-600.0MHz 100± 15

Capacitance unbalance (pF/100m) ≤330

NVP: 68%

Other transmission performance meet the  
CAT6 FLUKE test requirements

**STANDARD PACKAGING/JACKET COLOR**


1000' Wooden Reel  
Color: Orange/White  
Weight: 66 lb

Toll Free: (866) 945-5051

Local: (770) 945-5051

Fax: (770) 945-9582

www.commoditycables.com

RG6 QUAD: Conductor	Material	Copper Clad Steel (CCS)		
	Nom.O.D.(mm)	1.02(0.0403") 18AWG		
RG6: Insulation	Material	Gas Injected Foam-PE		
	Diameter	4.57 mm (Nominal)		
Bonded AL-FOIL	Overlapping>18%			
Braiding1	Al-wire (60%)			
Al-foil-PE-Al-foil	Overlapping>18%			
Braiding2	Al-wire (40%)			
Jacket (OD.)	W: 13.9+/-0.4mm			
	H1:6.1+/-0.15mm,H2:7.4+/-0.15mm			
Packing length	1000ft±4ft			
Rip-cord	IN Cat6	Drain wire	NO	
	Before Aging	Tensile Strength (Mpa)	≥10.0	
Sheath Physical Properties	Elongation(%)		≥300	
	Aging Period (°C X Hrs)		100 °C X24h X7d	
	After Aging Elongation(%)			≥75
	Cold bend (-20±2 °Cx4h)			
	8xCable O.D.,		No visible cracks	
	Electrical (RG6)	Capacitance (pF/m) 53		
Characteristics (20 °C)	Velocity of Propagation			
	Impedance (Ω) 75±3			
	DC Resistance (Ω/1Km) Max: 100			
	Shield DC Resistance: Max 16 Ohms/km			
	Dielectric Test 2kv/min			
Temperature Range:	-20 °C to + 75 °C			



\*All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15%.

It is the sole responsibility of the user to have the most current specification. Specifications are subject to change without notice\*

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FREQUENCY (MHz)	ATT (dB/100m)	RL (dB)	ACR (dB)	Next (dB)	PSNEXT (dB)	TCL (dB/100m)	PHASE DELAY	ELFEXT (dB/100m)	PSELFEXT dB/100m)
0.772	1.8	20	74.2	76.0	74.0	40.0	-	-	-
1	2.0	21	72.3	74.3	72.3	40.0	570.0	67.8	64.8
4	3.8	23.4	61.5	65.3	63.3	40.0	552.0	55.7	52.8
8	5.3	24.6	55.4	60.8	58.8	40.0	546.7	49.7	46.7
10	6.0	25	53.3	59.3	57.3	40.0	545.4	47.8	44.8
16	7.6	25	48.6	56.2	54.2	38.0	543.0	43.7	40.7
20	8.5	25	46.2	54.8	52.8	37.0	542.1	41.7	38.8
25	9.5	24.3	43.7	53.3	51.3	36.0	541.2	39.8	36.8
31.25	10.7	23.6	41.1	51.9	49.9	35.1	540.4	37.9	34.8
62.5	15.7	21.5	31.7	47.4	45.4	32.0	538.6	31.8	28.9
100	19.8	20.1	24.1	44.3	42.3	30.0	537.6	27.8	24.8
200	29.0	18	10.0	39.8	37.8	27.0	536.5	21.8	18.8
250	32.8	17.3	4.6	38.3	36.3	26.0	536.3	19.8	16.8
300	36.4	16.8	0.7	37.1	35.1	-	536.1	18.3	15.3
350	39.8	16.3	-	36.1	34.1	-	535.9	16.9	13.9
400	43.0	15.9	-	35.3	33.3	-	535.8	15.8	12.8
500	48.9	15.2	-	33.8	31.8	-	535.6	13.8	10.8
550	51.8	14.9	-	33.2	31.2	-	535.5	13.0	10.0
600	54.2	14.7	-	32.9	30.9	-	535.4	12.2	9.2

AVAILABLE JACKET COLORS			
STANDARD	BLUE	WHITE	GRAY
	BLACK	RED	GREEN
	YELLOW	ORANGE	PURPLE
	PINK		
SPECIAL	Per Customer Request*		
INSULATION COLORS			
PAIR 1	BLUE	WHITE	
PAIR 2	ORANGE	WHITE	
PAIR 3	GREEN	WHITE	
PAIR 4	BROWN	WHITE	

**JACKETS ABBREVIATION**

Black	B	Last alphabetical character of each part number indicates the color code that the Jacket is available in. For example Part # 6CMR244Bx ("x" indicates all the colors to the left are available for this product.
White	W	
Gray	G	
Blue	O	
Yellow	Y	
Green	V	
Orange	OR	
Purple	P	
Red	R	
Pink	PI	