

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

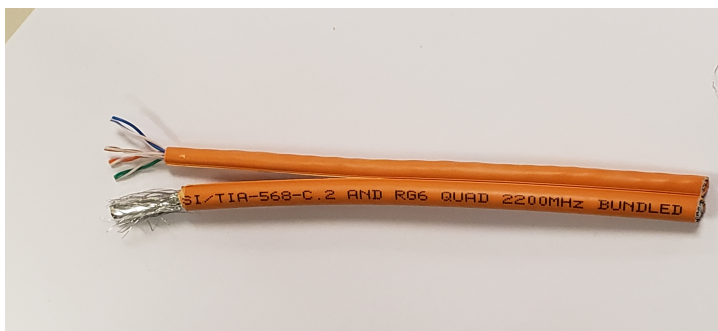
Capacitance unbalance (pF/100m) ≤330

NVP: 68%

Other transmission performance meet the
CAT6 FLUKE test requirements

STANDARD PACKAGING/JACKET COLOR


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



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
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0
		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) Characteristics (20 °C)	Capacitance (pF/m) 53		
	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		

Toll Free: (866) 945-5051

Local: (770) 945-5051

Fax: (770) 945-9582

www.commoditycables.com

PART NO. 16Q6CMRRx

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	

Toll Free: (866) 945-5051
Local: (770) 945-5051
Fax: (770) 945-9582
www.commoditycables.com



*All values in this specification are nominal and are subject 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*