

**DESCRIPTION:**

Bundle cable with two RG-6 cables and two Cat5E 350MHz cables.

**Model:** 6Q5ECMR5x Two Quad RG-6 and Two Cat5E 350MHz Multimedia Bundle Cable.

**UL Rating:** Available in CM, CMG, and CMX.

**Marking:** CM Bundled Cable 2 RG6/U Quad Shld+2 Cat5E Enhanced 350MHz Commodity Cables Part #, Foot Marking


**ELECTRICAL SPEC**

Sparker Test	4000 VAC
Dielectric Strength	Conductor to Shield: 3000VDC
Impedance	75 Ohm
Capacitance	54 pF/m
Velocity of Propagation	82%
DCR	Conductor 32 Ohm/1000'
SRL	20dB Min (5-3000 MHz)
Minimum Bend Radius	Loaded: 20 times cable OD
	Unloaded: 10 times cable OD
Working Temperature	75 c

**RG-6 QUAD PERFORMANCE**

MHz	dB/100ft
50MHz	1.5
100MHz	2
200MHz	2.8
400MHz	4
700MHz	5.6
900MHz	6.2
1000MHz	6.6
1450Mhz	8
1800MHz	8.5
2200MHz	9.5
2500MHz	10.16
2800 MHz	10.75
3000 MHz	11.13

**Toll Free: (866) 945-5051**  
**Local: (770) 945-5051**  
**Fax: (770) 945-9582**  
[www.commoditycables.com](http://www.commoditycables.com)

**STRUCTURE SPECS:**

Conductor:	1/0.50 mm, 24 AWG Solid Copper	
Insulation	HDPE	
Jacket	PVC	
Jacket Colors	Blue/Green	
Center Conductor	18 AWG	1.024mm
	CCS	CCS-Copper Clad Steel
Dielectric	Foam Polyethylene	Diameter Over Dielectric: 4.57 mm
Inner Shield	Foil: Alum	Alum Braid: 60% Coverage
Outer Shield	Foil: Alum	Alum Braid: 40% Coverage
Jacket	PVC	Diameter Over Jacket: 8.2 mm
Jacket Colors	Yellow	

**ELECTRICAL SPECIFICATION**

DC Loop Resistance	Max.30 Ohm/100m
DC Resistance (unbalanced)	Max. 2%
Insulation Resistance	Min. 50 M Ohm/100m
Capacitance (Unbalanced)	Max. 160pF/100m
Velocity of Propagation	Min.0.66C
Propagation Delay	Max. 5350 ns/km @ 1-100 MHz
Delay Skew	Max.400 ns/kmm @100MHz
Mean Impedance	100 Ohm +/-10Ohm @ 1-100 MHz
characteristic Impedance	100 Ohm +/-15 Ohm @ 1-100 MHz

**STANDARD PACKAGING/JACKET  
COLOR**


**500 Wooden Reel**  
**Yellow Jacket**  
**Weight: 79 lb**



**PART NO. 6Q5ECMR5X**
**Cat 5E 350 MHz. Performance**

FREQUENCY (MHz)	PSACR dB/100m	ELFEXT dB/100m	PSELFEXT dB/100m	RL dB
1	60.2	63.8	60.8	20
4	49.2	51.7	48.7	23
10	40.8	43.8	40.8	25
16	36.1	39.7	36.7	25
20	33.5	37.7	34.7	25
31.25	28.2	33.9	30.9	23.6
62.5	18.4	27.8	24.8	21.5
100	10.3	23.8	20.8	20.1
350		16.0	13.0	16.3
Frequency MHz	Attenuation dB/100m	NEXT dB	PSNEXT dB	ACR dB/100m
1	2	65.3	62.3	63.2
4	4.1	56.3	53.3	52.2
10	6.5	50.3	47.3	43.8
16	8.2	47.3	44.3	39.1
20	9.3	45.8	42.8	36.5
31.25	11.7	42.9	39.9	31.2
62.5	17	38.4	35.4	21.4
100	22	35.3	32.3	13.3
350	43	32.1	30.1	10.4

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\*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\*