

COMMODITY CABLES, INC.

MULTIMEDIA BUNDLE CABLE WITH 2 RG6 QUAD & 2 CAT5E 350MHZ.

Description

Description: Bundle Cable with two RG-6 cables and two Cat5E 350MHz. cables.
 Model: 6Q5ECMR 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

RG-6 Quad Specifications:



Structure Specs

Center Conductor	18 AWG	1.024mm
	CCS	CCS -Copper Cladding Steel
Dielectric	Foam Polyethylene	Diameter Over Dielectric: 4.57mm
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		1- Black & 1- White

Electrical Spec

Sparker Test	4000 VAC
Dielectric Strength	Conductor to shield: 3000 VDC
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
50 MHz	1.5
100 MHz	2
200 MHz	2.8
400 MHz	4
700 MHz	5.6
900 MHz	6.2
1000 MHz	6.6
1450 MHz	8
1800 MHz	8.5
2200 MHz	9.5
2500 MHz	10.16
2800 MHz	10.75
3000 MHz	11.13

Standard Packaging / Jacket Color



Wooden Reel
500'
Yellow or Blue Jacket

Part No.:6Q5ECMR5x



Cat5E 350MHz. Specifications:



Structure Specs:

Conductor:	1/ 0.50 mm, 24 AWG Solid Copper
Insulation:	HDPE
Jacket:	PVC
Jacket Colors:	1-Blue & 1-Green

Electrical Specs:

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

Cat 5E 350MHz. 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	2.1	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

*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.