

DESCRIPTION:

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

Model: 6T5ECMR Two Tri Shd RG-6 and Two Cat5E 350MHz

Multimedia Bundle Cable.

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

Marking: COMMODITY CABLES 6T5ECMR5Y 2 ENH CAT5 UTP (350 MHz) PLUS 2 RG6 TRISHLD 3.0GHZ 8PR24 2C 18 CM E #XXXFT.

Structure Specs

Center Conductor	18 AWG CCS	1.024mm CCS-Copper CladSteel
Dielectric	Foam Polyethylene	Diameter Over Dielectric: 4.57mm
Shielded	Foil: Alum Braid	82% Coverage
Jacket	PVC	Diameter Over Jacket: 7.00+/-0.15mm
Jacket Colors		1-Black & 1-White

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	1.14
100MHz	1.92
200MHz	2.64
700MHz	5.06
1000MHz	6.2
1800MHz	8.43
2200MHz	9.35

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www.commoditycables.com


STRUCTURE SPECS:

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

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

Assembly (2RG6/u + 2 CAT5E)	14.3
Average Thickness (mm)	0.50
PVC Jacket	15.5 +/-0.2mm

STANDARD PACKAGING/JACKET COLOR


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

PART NO. 6T5ECMR5X
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	66.3
4	4.1	56.3	53.3	52.2
10	6.5	50.3	47.3	45.8
16	8.2	47.3	44.3	41.0
20	9.3	45.8	42.8	38.5
31.25	11.7	42.9	39.9	32.2
62.5	17	38.4	35.4	22.4
100	22	35.3	32.3	13.3
350	44.9	27.2	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*