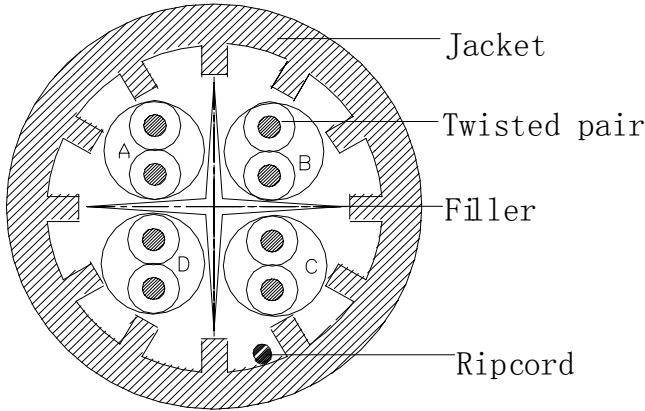


Part# CAT6A

4PAIRS Cat6A UTP Cable Specification

Cross Section



Description

Rated Temperature (°C)	70
Rated Voltage(V)	30
Product Standard Certification	
Flammability Test	

Construction

Conductor	Solid Bare Copper
AWG	23
Conductor Dia. (mm)	0.585
Insulation	PE
Average Thickness(mm)	0.268
Min. Point Thickness(mm)	0.245
Insulation Dia.(±0.01mm)	1.12
Twisted Pair Dia.(±0.02mm)	2.24

Separator	LDPE
Assembly Dia.(mm)	6.50

Jacket	PVC
Average Thickness(mm)	0.60
Min. Point Thickness(mm)	0.50
Outer Dia.(±0.20mm)	8.00
Rip Cord	Per request

Color

The color of the wire pair in cables

Blue-White/Blue
Orange-White/Orange
Green-White/Green
Brown-White/Brown

Jacket Colors:
Per request

Marking

Per request

Performance

Mechanical Characteristics:

1.0-100MHz Impedance (ohms)	100 ± 12
100-350MHz Impedance (ohms)	100 ± 15
350-750.0MHz Impedance (ohms)	100 ± 22
1.0-750.0MHz Delay Skew (ns/100m)	<=25
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	<=3

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
1	20.0	2.0	78.3
4	24.2	3.7	69.3
8	26.3	5.2	64.8
10	27.0	5.9	63.3
16	27.0	7.4	60.2
20	27.0	8.3	58.8
25	26.3	9.3	57.3
31.25	25.6	10.4	55.9
62.5	23.5	14.9	51.4
100	22.1	19.0	48.3
155	20.8	24.0	45.4
200	20	27.5	43.8
300	18.8	34.2	41.1
400	17.9	40.0	39.3
500	17.5	45.3	37.8
600	16.9	50.1	36.6

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	Delay Max (ns/100m)
1	76.3	71.8	570.0
4	67.3	59.8	552.0
8	62.8	53.7	546.7
10	61.3	51.8	545.4
16	58.2	47.7	543.0
20	56.8	45.8	542.0
25	55.3	43.8	541.2
31.25	53.9	41.9	540.4
62.5	49.4	35.9	538.6
100	46.3	31.8	537.6
155	43.4	28.0	536.9
200	41.8	25.8	536.5
300	39.3	22.3	536.1
400	37.3	19.8	535.8
500	35.8	17.8	535.6
600	34.6	---	---

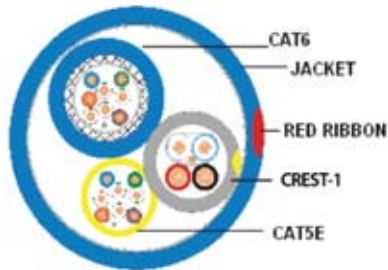
Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before	Tensile Strength (Mpa) >=13.8
Aging	Elongation (%) >=100
Aging Condition (°Cxhrs)	100x168
After	Tensile Strength (Mpa) >=85% of unaged
Aging	Elongation (%) >=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack

Crestron* DigitalMedia Compatible Cable

Part# CREST-DM-CBL

Cross Section



Properties

Min.Bending Radius :	
Loaded	20 Times Cable OD
Unloaded	10 Times Cable OD
Max.Pulling Tension	126 LBS
Rated Temperature (°C)	-20~+75

Construction

Element A: 1 CrestNet		
2 Conductor (Bare Copper)	BC	BC
Diameter	2 x 18AWG	2 x 22AWG
Drain Wire		T.C.
AWG		24
Shielding		AL/P-Foil
Jacket	PVC	Foam PE
Diameter (±0.10 mm)	1.65	1.65
Color	red/black	gray/orange
Overall Outer Jacket	PVC	
Color	Gray	
Diameter	6.00	

Element B: 1 Cat 6
 1 CAT 6 SFTP Solid 550MHz LAN Cable 23 AWG 4 Pairs
 Complies to TIA/EIA-568-B.2
 23AWG Solid Bare Copper Conductor/PE Insulation
 Jacket Color for CAT6 Blue

Element C: 1 Cat5e
 1 CAT 5E UTP Solid 350MHz LAN Cable 24AWG 4 Pairs
 Complies to TIA/EIA-568-B.2
 24AWG Solid Bare Copper Conductor/PE Insulation
 Jacket Color for CAT5E Yellow

Overall Outer Jacket	PVC
Diameter	14.73
Color	Blue with red ribbon

Overall Outer Jacket Printing :
 ETHEREAL HOME THEATER--- DIGITAL MEDIA CABLE 1 x CAT6E SFTP
 23AWG +
 1 x CAT5E UTP 24AWG + 1 x CRESTNET E308667 (UL) TYPE
 CL3 "ROHS" ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 000/500FT

Electrical Characteristics

Characteristic Impedance	75 ±3ohm
Capacitance	55pF/m
Velocity ratio	82%
DCR:conductor	< 33ohm/km
DCR:shielding	< 13 ohm/km
Sparker	4000 VCA
Dielectric Strength	2500 VCA

Packaging: 500 FT/Spool
 Weight: 36Kg

The name Crestron® is a registered trademark of Crestron Electronics, Inc.

IN-LINE SURGE PROTECTOR



In Stock
 Ready to ship

**A MUST FOR ANY
LCD, LED, PLASMA TV**

Ethereal In-Line Surge Protector

Voltage spikes can destroy your most expensive electronics in seconds! Ethereal Home Theater Surge Protector can ensure the safety of your valuable electronic devices. Our In Line Surge Protector is designed to plug in behind any LCD/LED/ Plasma TV or a standard wall receptacle. It has a right angle male plug with an inline surge suppression and RFI reducer. This allows the TV and wall Mount to have a lower profile and fit close to the wall without the plug and cord projecting into the space between outlet and TV.

Specifications:

In-Line Suppressor Device

UL Rating: UL 1449 Revision 3

Line Voltage: 120 VAC, 50/60Hz

Maximum Current Load Capacity: 10 amps

Protection Modes, 3 way - Line to ground, line to neutral, neutral to ground

Thermal Fusing(3): Yes

Power dissipation: 1575 joules

Peak impulse current: 60,000 amps

Catastrophic surge circuit: Yes

Unit Dimension(WxHxD): 3.38" x 1.475 x 1.375"

Cord length, each end: 36.8"

Total length: 76.98"

Weight in standard package: 14.9 oz



NEW Ethereal 2010 Mounts



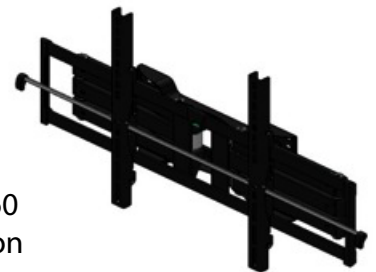
Model: EAM3260
Screen Size: up to 32"
Max Weight: 25 kg (55 lbs)
Profile: 7.9 - 27.4 cm (3.1" - 10.8")
Tilt: 13.8° up/down
Pan/Swivel: up to 180°
Mount Pattern: 200 mm x 200 mm (max)
Features: Integrated level
 cable management
 landscape-to-portrait rotation



Model: EWF2650
Type: Full-motion
Screen Size: 26" to 50"
Max Load: 60 kg (130 lbs)
Profile: 98 mm (3.8") to 400 mm (15.7")
Pan/Swivel: up to 150°
Tilt: 15° down
Moun Pattern: 600 x 400 mm (max)
Features: Bubble level
 Safety lock
 Patent-pending non-slip tilt adjustment
 Folds flat for low-profile appearance
 Ultra-smooth swivel motion
 Horizontal level correction



Model: EWF2640
Type: Full Motion
Screen Size: 26" to 40"
Max Load: 45 kg (100 lbs)
Profile: 98 mm (3.8") to 400 mm (15.7")
Pan/Swivel: Up to 160°
Tilt: 15° down
Moun Pattern: 400 x 400 mm (max)
Features: Bubble level
 Safety lock
 Patent-pending non-slip tilt adjustment



Model: EWF3760
Type: Full-motion
Screen Size: 37" to 60"
Max Load: 75 kg (165 lbs)
Profile: 98 mm (3.8") to 600 mm (23.6")
Pan/Swivel: up to 160°
Tilt: 15° down
Moun Pattern: 800 x 500 mm (max)
Features: Bubble level
 Safety lock
 Patent-pending non-slip tilt adjustment
 Folds flat for low-profile appearance
 Ultra-smooth swivel motion
 Horizontal level correction

NEW

HDM-DD14

HDMI Distribution Amplifier

Consistently reliable video - Delivered!



Ethereal Home Theater PROUDLY includes its NEW HDM-DD14 HDMI distribution amplifier in the current product line. After many months of testing and researching different units, this unit has been designed and selected for the features required to maximize reliable video performance.

The need for running multiple HDMI displays off of one source has become common in many custom installations. The HDM-DD14 is designed to distribute one HDMI source such as DVD and satellite set up boxes to 4 HDMI displays. Fully HDMI 1.3 compliant, the HDM-DD14 offers the same level of video integrity on all output channels ensuring a reliable operation. Also, this unit will accommodate different cable lengths up to 10 meters on each HDMI output by way of an on-board digital equalizer to boost the signal. In addition, the HDM-DD14 features discreet HDCP copy protection keys on each individual channel which will arbitrate EDID for best resolution among all displays.

The HDM-DD14 is housed in a half rack metal chassis for convenient use in home systems.

If you are looking for a HD video distribution system that consistently delivers reliable video transmission then this is the unit for you.

System Contents

HDM-DD14 unit 5V Power Supply Set-up Guide

Features

- ▲ Designed for easy set-up and operation
- ▲ HDMI (v1.3 with Deep Color)
- ▲ HDCP Complaint
- ▲ Designed for HDMI, HDTV, 480p, 720p, 1080i, 1080p
- ▲ Compatible with Computer Resolutions VGA, SVGA, XGA, SXGA, UXGA
- ▲ Full Balanced line Differential Signaling
- ▲ Digital Equalizer for boosting long cable runs
- ▲ Input – (1) HDMI connector
- ▲ Output – (4) HDMI connectors
- ▲ (4) LEDS for output selection
- ▲ (1) Half rack metal chassis