

WEST PENN **WIRE**

AV, SECURITY & NETWORKING SOLUTIONS

Since 1971



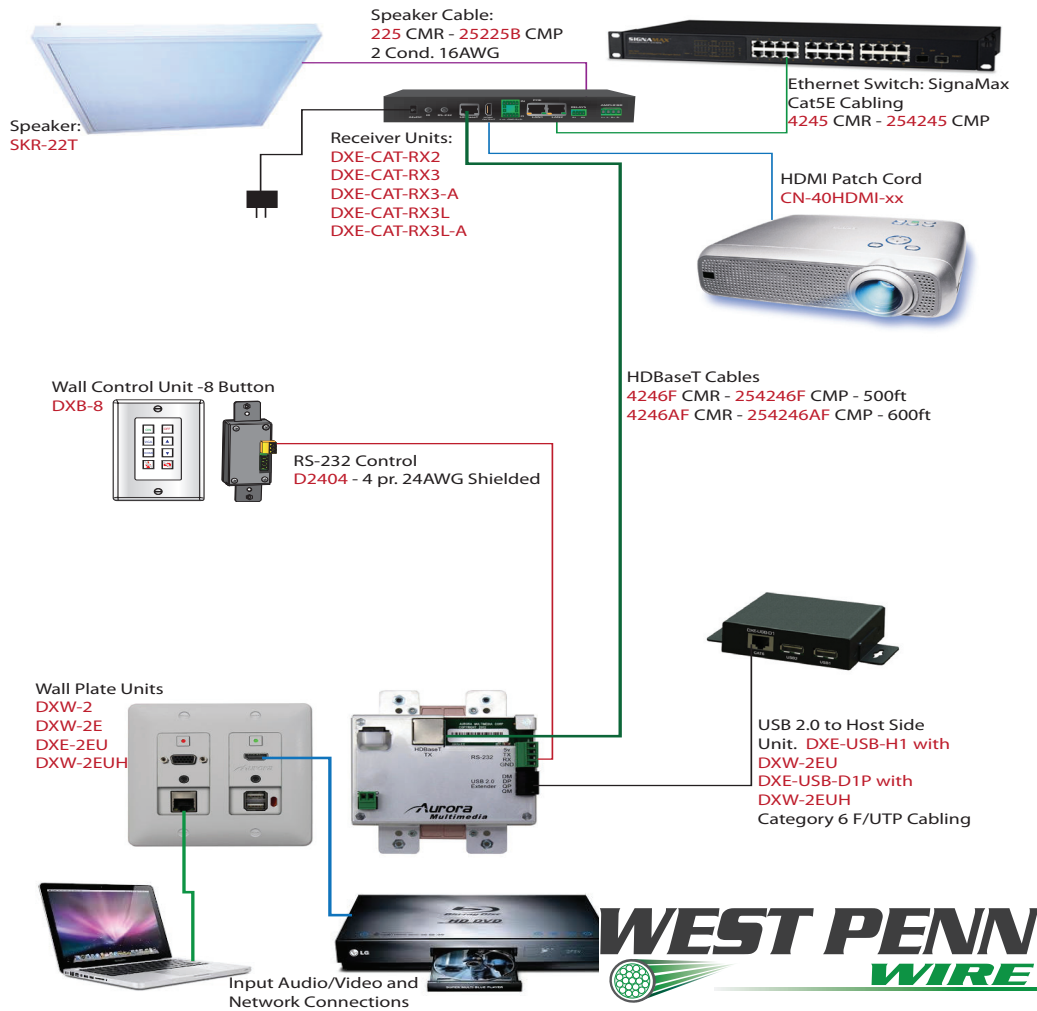
Digital Audio/Video



HDBaseT Bulk Cables
Cable Accessories
HDBaseT Extenders
Matrix Switches
AV Switches/ Scalers
HD-SDI Bulk Cables

- **800-245-4964**
- **www.westpenn-wpw.com**

DESIGN:



What is New for WINTER 2014 AND 2015:

3 GANG WALL PLATES: AVAILABLE IN WHITE OR BLACK (For Black add a -BK)
These wall plates are HDBaseT Devices. They add a Displayport port to each design. PG. 12

- DXW-3
- DXW-3E
- DXW-3EU
- DXW-3EUH

WALL PLATE RECEIVING DEVICES AVAILABLE IN WHITE OR BLACK (For Black add a -BK)
These wall plates are HDBaseT Devices. PG. 13

- DXW-2-RX1 HDMI Out
- DXW-2E-RX2 HDMI+LAN Out

COMPLETE ROOM SYSTEMS: AVAILABLE IN WHITE OR BLACK (For Black add a -BK)
These systems offer a Wall plate, Receiving Device, Speakers and 8 button control PG. 14

- ORC-1
- ORC-2
- ORC-3

SPEAKERS - CEILING TILE 2X2 70/100V PG. 15

- SKR-22T-XFR

4K - HDMI 3D 8X8 MATRIX PG.16

- ASP-88-4K

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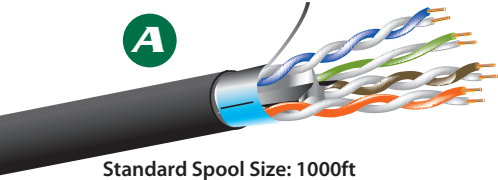
West Penn wants your business to succeed when installing cables, connectors, and equipment that exceed your expectations with overall performance. West Penn manufactures high quality wire and cables for all your AV installations. Our cables include RGBHV, Component Video, and Digital cables such as HD-SDI and Category Cables (Cat5E, Cat6, Cat6A UTP and F/UTP Versions). Along with our high confident cables, West Penn provides all the connectivity to implement the link in the solution. To make the system complete the installation requires AV equipment. West Penn has teamed with Aurora MultiMedia, SignaMax, RCI Custom, and others to provide a Total System Solution. All of Aurora and SignaMax active equipemnt are covered with a 3 year warranty.

Many of our products are HDBaseT certified; These products will allow a Total HDBaseT CERTIFIED SYSTEM from source to display.

Our HDBaseT Extenders wiall allow up to 600ft. of transmission distance using a HDBasT certified CAT6A F/UTP cable.

For additional information on the HDBaseT Alliance - please visit - www.hdbaset.org

Category 6A | F/UTP



Standard Spool Size: 1000ft

Features:

- TIA-EIA 568-C.2
- Enhanced Screened Twisted Pair (F/UTP)
- NEC Type CMR and CMP
- (UL) Listed: UL1666 and NFPA262
- Meets 300V requirements as specified in the NEC
- HDBaseT Certified

Applications:

Indoor for:

- 10G BaseT, 1G BaseT, 10/100M BaseT
- Horizontal Cabling
- Voice Backbone
- AV Digital Video
- Digital Integration

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness		Shielding	Jacket Type & Thickness		Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches	Inches		Inches	Inches				
4246AF	4 Pair	23 AWG Solid 24Ω/Mft	Polyolefin		100% AL. Foil + Drain F/UTP	PVC		.303	CMR	14pf/ft** 33pf/ft** 100Ω	● BK
254246AF	4 Pair	23 AWG Solid 24Ω/Mft	FR Polyolefin/ FEP		100% AL. Foil + Drain F/UTP	Plenum Thermo- Plastic		.305	CMP	14pf/ft** 33pf/ft** 100Ω	● BK

Primary Color Code: See Page 22
Table: A

* Capacitance between conductors
** Capacitance between one conductor and the other connected to the shield

Cable Accessories | AV

Category 6A | F/UTP Modular Plugs

Catalog No.	Description
CN-MFP8	Cat6A F/UTP 10G Plug- Tool less
106190	Cat6A F/UTP Crimp Plug with Ext. Ground - Requires 12515C Tooling - 100pcs/bag
90170	Cat6A F/UTP Termination Kit: Includes: 106190 - 100 Connectors 12515C - Crimp Tool 12360C - Ext. Ground Crimp Tool 15010C - Cat6 Stripping Tool
90170-BI	Cat6A F/UTP Termination Kit: Includes: 106190 - 100 Connectors 12515C - Crimp Tool 12360C - Ext. Ground Crimp Tool 15010C - Cat6 Stripping Tool 100 -CN-B0051 Black Boots INCLUDED
CN-B0051	Boots for 106190 Connectors - Black
12515C	Special Crimp Tool for 106190 Cat6A Plugs - Crimp Style
12360C	External Ground Crimp Tool - 106190 and CN-111590H34



Category 6A | F/UTP RJ45 Jacks

Catalog No.	Description
KJ5458TL-C6A	8 Position Cat6A F/UTP RJ45 JACK- Tool less

KJ5458TL-C6A



Category 6A | F/UTP Assemblies- Snag Proof

Catalog No.	Length	Jacket Colors
C6A5-3146Y-xxFB	Cat6A F/UTP Assembly Replace xx: 3, 7, 10, 15, 20, 25 ft.	Color: GY- GRAY



C6A5-3146Y-XXFB

Category 6A | F/UTP Patch Panels

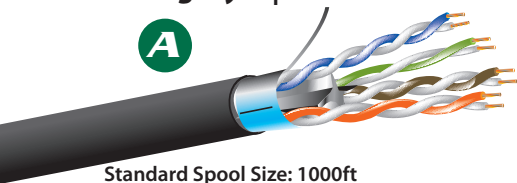
Catalog No.	Description
244585-C6A	24 Port Cat56A F/UTP Panel 1.75- 1RU
484585-C6A	48 Port Cat6A F/UTP Panel 3.50- 2RU



244585-C6A

Category 6 | F/UTP

A



Standard Spool Size: 1000ft

Features:

- TIA-EIA 568-C.2
- Screened Twisted Pair (F/UTP)
- NEC Type CMR and CMP
- (UL) Listed: UL1666 and NFPA262
- Meets 300V requirements as specified in the NEC
- HDBaseT Certified

Applications:

- Indoor for:
- 1G BaseT, 10/100M BaseT
 - Horizontal Cabling
 - Voice Backbone
 - AV Digital Video
 - Digital Integration

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness		Shielding	Jacket Type & Thickness		Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches			Inches	Inches				
4246F	4 Pair	23 AWG Solid 24Ω/Mft	Polyolefin		100% AL. Foil + Drain F/UTP	PVC		.290	CMR	14pf/ft* 33pf/ft** 100Ω	● BK
254246F	4 Pair	23 AWG Solid 24Ω/Mft	FR Polyolefin/ FEP		100% AL. Foil + Drain F/UTP	Plenum Thermo- Plastic		.280	CMP	14pf/ft* 33pf/ft** 100Ω	● BK

Connectors | AV

* Capacitance between conductors
** Capacitance between one conductor and the other connected to the shield

Category 6 | F/UTP Modular Plugs

Catalog No.	Description
CN-111590H34	Cat6 F/UTP Crimp Style Plug w/ Ext. Ground Crimp Tool: TL-EZRJ45PROCT
106190	Cat6A F/UTP Crimp Plug with Ext. Ground - Requires 12515C Tooling 100pcs/bag
90170	Cat6A F/UTP Termination Kit: Includes: 106190 - 100 Connectors 12515C - Crimp Tool 12360C - Ext. Ground Crimp Tool 15010C - Cat6 Stripping Tool
90170-BI	Cat6A F/UTP Termination Kit: Includes: 106190 - 100 Connectors 12515C - Crimp Tool 12360C - Ext. Ground Crimp Tool 15010C - Cat6 Stripping Tool 100 -CN-B0051 Black Boots INCLUDED
CN-B0051	Boots: Black



Category 6 | F/UTP RJ45 Jacks

Catalog No.	Description
KJ5458TL-C6C	8 Position Cat6 F/UTP RJ45 JACK- Tool less



Category 6 | F/UTP Assemblies- Snag Proof

Catalog No.	Length	Jacket Colors
C6C5-3146Y-xxFB	Cat6 F/UTP Assembly Replace xx: 3, 7, 10, 15, 20, 25 ft.	Color: GY- GRAY



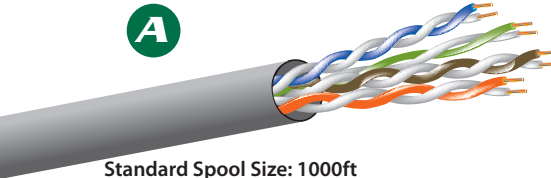
Category 6 | F/UTP Patch Panels

Catalog No.	Description
244585-C6C	24 Port Cat56 F/UTP Panel 1.75- 1RU



Category 6 | UTP

A



Standard Spool Size: 1000ft

Features:

- TIA-EIA Category 6 Cable
- NEC Type CMR and CMP
- (UL) Listed: UL1666 and NFPA262
- Meets 300V requirements as specified in the NEC

Applications:

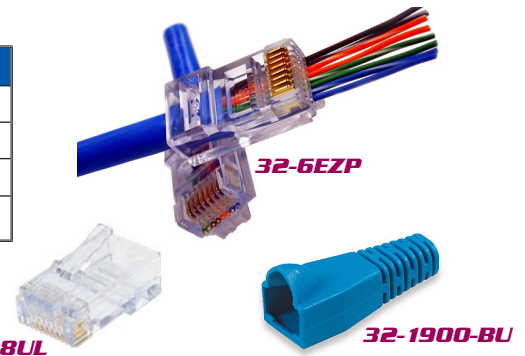
- Indoor for:**
- 1GBaseT, 10/100Mb Data
 - Horizontal Cabling
 - Voice Backbone
 - AV Digital Video
 - Digital Integration

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches		Inches				
4246	4 Pair	23 AWG Solid 24Ω/Mft	Polyolefin	None UTP	PVC	.220	CMR	14pf/ft 100Ω	
254246	4 Pair	23 AWG Solid 24Ω/Mft	FR Polyolefin/ FEP	None UTP	Plenum Thermo-Plastic	.225	CMP	14pf/ft 100Ω	
4246-OSP	4 Pair	23 AWG Solid 24Ω/Mft	Thermo-Plastic	None UTP Water-Block	UV Resistant PE	.266	Outdoor	14pf/ft 100Ω	
4246-IO	4 Pair	23 AWG Solid 24Ω/Mft	Thermo-Plastic	None UTP Water-Block	UV Resistant Polyolefin	.271	Indoor/ Outdoor CM	14pf/ft 100Ω	

Primary Color Code: See Page 22 Table: A

Cable Accessories | AV

Catalog No.	Description
32-6EZP	Cat6 UTP EZ Plug
32-6198UL	Cat6 UTP Crimp Plug with Loading Bar
TL-EZRJ45PROCT	Crimp Tool RJ45 and RJ11
32-1900-xx	Boots - xx: WH,BK,BU,RD,GY,OR,YE,GN



Category 6 | UTP RJ45 Jacks

Catalog No.	Description
KJ458MT-C6C-XX	8 Position Cat6 RJ45 JACK - XX: WH,BK,GY,GN,OR,RD,YE
CN-706-XX	Cat6 Tool less RJ45 Jack: XX: BK,BL,GN,RD,YE,WH,OR
KRJ45/65	Cat6 Feed Thru Adaptor
TL-110/66	Punchdown tool
TL-3650	Punchdown tool - Adjustable
KJMT-8600	Multipair Punchdown tool
15010C	Cat6 and Cat6A Stripping tool
TL-CATWIREST	Cat Cable Pair Separation Tool



Category 6 | UTP Assemblies- Snag Proof

A

Catalog No.	Length	Jacket Colors
C6C-114CC-3FB	3 Foot Cat6	Replace CC: BK, BU, GY, RD, GN, WH, YE, OR
C6C-114CC-7FB	7 Foot Cat6	
C6C-114CC-10FB	10 Foot Cat6	
C6C-114CC-15FB	15 Foot Cat6	
C6C-114CC-20FB	20 foot Cat6	
C6C-114CC-25FB	25 Foot Cat6	



Patch Panels | AV

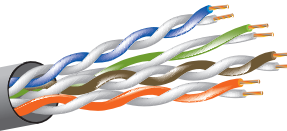
Category 6 | UTP Patch Panels

Catalog No.	Description
12458MD-C6C	12 Port Cat6 Panel 1.75- 1RU
24458MD-C6C	24 Port Cat6 Panel 1.75- 1RU
48458MD-C6C	48 Port Cat6 Panel 3.50- 2RU
48458HD-C6C	48 Port Cat6 High Density: 1.75 - 1RU
12458M-C6C	12 Port Mini Panel w/ 89D Bracket Cat6
12458MH-C6C	12 Port Mini Hinged Panel Cat6
24458A-C6C	24 Port Cat6 Panel 1.75- 1RU - ANGLED
48458A-C6C	48 Port Cat6 Panel 3.50- 2RU - ANGLED
CMB-250P	Panel mount Cable Mng. Bar 2.50" Deep



24458MD-C6C

Category 5E | UTP



Features:

- TIA-EIA Category 5E Cable
- NEC Type CMR and CMP
- (UL) Listed: UL1666 and NFPA262
- Meets 300V requirements as specified in the NEC

Applications:

- Indoor for:**
- 10/100Mb Data
 - Horizontal Cabling
 - Voice Backbone
 - AV Digital Video
 - Digital Integration

Standard Spool Size: 1000ft

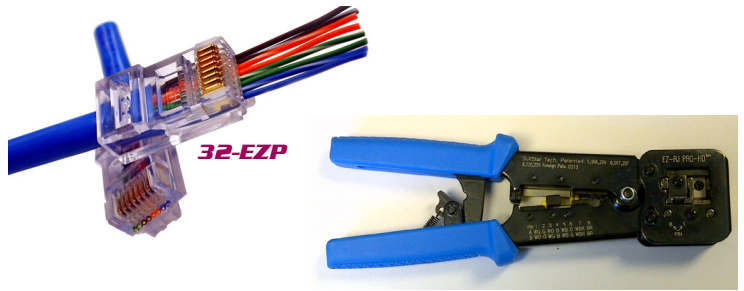
Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness		Shielding	Jacket Type & Thickness		Nom. O.D Inches	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches			Inches					
4245	4 Pair	24 AWG Solid 26Ω/Mft	Polyolefin		None UTP	PVC		.191	CMR	14pf/ft 100Ω	 GY, BL, WH, BK, GN, OR, YE, PK, RD, VT, SGN
254245	4 Pair	24 AWG Solid 26Ω/Mft	FR Polyolefin/ FEP		None UTP	Plenum Thermo-Plastic		.205	CMP	14pf/ft 100Ω	 GY, BL, WH, BK, GN, OR, YE, PK, RD, VT, SGN
M57562	4 Pair	24 AWG Solid 26Ω/Mft	Thermo-Plastic		None UTP Water-Block	UV Resistant PE		.267	Armored Outdoor	14pf/ft 100Ω	 BK
4245-OSP	4 Pair	24 AWG Solid 26Ω/Mft	Thermo-Plastic		None UTP Water-Block	UV Resistant PE		.255	Outdoor	14pf/ft 100Ω	 BK
4245-IO	4 Pair	24 AWG Solid 26Ω/Mft	Thermo-Plastic		None UTP Water-Block	UV Resistant Polyolefin		.251	Indoor/ Outdoor CM	14pf/ft 100Ω	 BK

Primary Color Code: See Page 22 Table: A

Connectors | AV

Category 5E | UTP Modular Plugs

Catalog No.	Description
32-EZP	8 Position Cat5E EZ Plug- Bags of 50
32-5998UL	8 Position Cat5E Plug- Bags of 50
TL-EZRJ45PROCT	Crimp Tool RJ45 and RJ11
32-1900-xx	Boots - xx: WH,BK,BU,RD,GY,OR,YE,GN



Category 5E | UTP RJ45 Jacks

Catalog No.	Description
KJ458MT-C5E-XX	8 Position Cat5E RJ45 JACK - XX: WH,BK,GY,GN,OR,RD,YE
CN-705-XX	Cat5E Tool less RJ45 Jack: XX: BK,BL,GN,RD,YE,WH,OR
KRJ45/55	Cat5E Feed Thru Adaptor
TL-110/66	Punchdown tool
TL-3650	Punchdown tool - Adjustable
KJMT-8600	Multipair Punchdown tool
TL-15015	Cat5E Stripping tool



Category 5E | UTP Assemblies- Snag Proof

A

Catalog No.	Length	Jacket Colors
C5EC-114CC-3FB	3 Foot Cat5E	Replace CC: BK, BU, GY, RD, GN, WH, YE, OR
C5EC-114CC-7FB	7 Foot Cat5E	
C5EC-114CC-10FB	10 Foot Cat5E	
C5EC-114CC-15FB	15 Foot Cat5E	
C5EC-114CC-20FB	20 foot Cat5E	
C5EC-114CC-25FB	25 Foot Cat5E	



C5EC-114BU-XXFB

BK-BLACK
BU-BLUE
GY-GRAY
RD-RED
GN-GREEN
WH-WHITE
YE-YELLOW
OR-ORANGE

Patch Panels | LAN

Category 5E | UTP Patch Panels

Catalog No.	Description
12458MD-C5E	12 Port Cat5E Panel 1.75- 1RU
24458MD-C5E	24 Port Cat5E Panel 1.75- 1RU
48458MD-C5E	48 Port Cat5E Panel 3.50- 2RU
48458HD-C5E	48 Port Cat5E High Density: 1.75 - 1RU
12458M-C5E	12 Port Mini Panel w/ 89D Bracket
12458H-C5E	12 Port Mini Hinged Panel
CMB-250P	Panel mount Cable Mng. Bar 2.50" Deep



24458MD-C5E

Cable Management | LAN

Category 5E | Cable Management

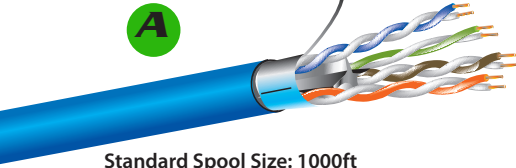
HINGED WALL MOUNT BRACKETS	
Catalog No.	Description
HWB-175	1RU 1.75"H x 6" D
HWB-350	2RU 3.50"H x 6"D
HWB-525	3RU 5.25"H x 6"D
DISTRIBUTION RINGS	
CMP-175-A	Panel with (5) 1.75"x3" Rings 1RU
CMP-350-A	Panel with (5) 3"x3" Rings 2RU
CMP-175-AD	PANEL W 5 1.75"X3" RINGS 1 RMS - 1.5"Wx4"H WIRING DUCT
CMP-350-AD	PANEL W 5 3"X3" RINGS 2 RMS - 3"Wx4"H WIRING DUCT



CMP-350-A

Category 5E | F/UTP

A



Standard Spool Size: 1000ft

Features:

- TIA-EIA Category 5E Cable
- NEC Type CMR and CMP
- (UL) Listed: UL1666 and NFPA262
- Meets 300V requirements as specified in the NEC

Applications:

- Indoor for:
- 10/100Mb Data
 - Horizontal Cabling
 - Voice Backbone
 - AV Digital Video
 - Digital Integration

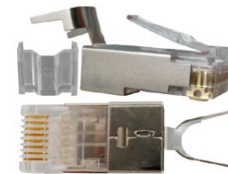
Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness		Shielding	Jacket Type & Thickness		Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches			Inches	Inches				
4245F	4 Pair	24 AWG Solid 26Ω/Mft	Polyolefin		100% Al. Foil F/UTP	PVC		.232	CMR	14pf/ft 100Ω	GY, BL
254245F	4 Pair	24 AWG Solid 26Ω/Mft	FR Polyolefin/ FEP		100% Al. Foil F/UTP	Plenum Thermo-Plastic		.218	CMP	14pf/ft 100Ω	GY, BL

Primary Color Code: See Page 22 Table: A

Cable Accessories | LAN

Category 5E | F/UTP Modular Plugs

Catalog No.	Description
CN-EZSTP-EG	8 Position Cat5E Shielded EZ Plug- Wtih External Ground
32-EZSTP	8 Position Cat5E Shielded Plug-
TL-EZRJ45PROCT	Crimp Tool RJ45 and RJ11
32-1900-xx	Boots - xx: WH,BK,BU,RD,GY,OR,YE,GN



CN-EZSTP-EG

Category 5E | F/UTP RJ45 Jacks

Catalog No.	Description
KJ5458TL-C5E	8 Position Cat5E Shielded RJ45 JACK - Tool less



KJ5458TL-C5E

Category 5E | F/UTP Assemblies- Snag Proof

Catalog No.	Length	Jacket Colors
C5ES-3146Y-3FB	3 Foot Cat5E F/UTP	Standard Color: Gray
C5ES-3146Y-7FB	7 Foot Cat5E F/UTP	
C5ES-3146Y-10FB	10 Foot Cat5E F/UTP	
C5ES-3146Y-15FB	15 Foot Cat5E F/UTP	other colors are available.
C5ES-3146Y-20FB	20 Foot Cat5E F/UTP	
C5ES-3146Y-25FB	25 Foot Cat5E F/UTP	



C5ES-3146Y-XXFB

Category 5E | F/UTP Patch Panels

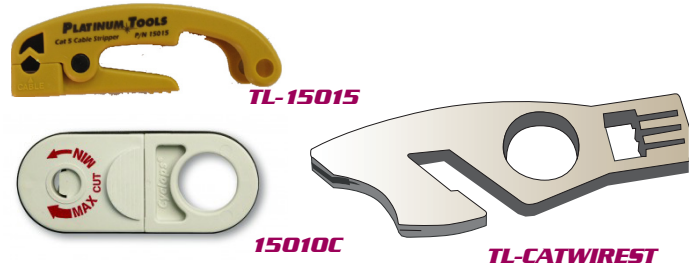
Catalog No.	Description
244585-C5E	24 Port Cat5E Panel 1.75- 1RU



244585-C5E

Category Cables | Stripping Tools

Catalog No.	Description
TL-15015	Category 5E Strip Tool
15010C	Category 6 and 6A Strip Tool
TL-CATWIREST	Category Cable Pair Separation Tool



Category Cables | Crimping Tools

Catalog No.	Description
TL-EZRJ45PROCT	EZ Crimp Tool - Pro Style
900020	Pro-Crimp Tool for External Ground Connectors - CN-111S90H34
12515C	Crimp Tool For 106190 Cat6A Connectors
12360C	External Ground Crimp Tool - for CN-111S90H34 and 106190



Category Cables | Punchdown Tools

Catalog No.	Description
TL-110/66	110 Punchdown Tool
TL-3650	110 Adjustable Punchdown Tool
KJMT-8600	Multi-Pair Punchdown Tool



Category Cables | Cable Management

HINGED WALL MOUNT BRACKETS	
Catalog No.	Description
HWB-175	1RU 1.75"H x 6" D
HWB-350	2RU 3.50"H x 6"D
HWB-525	3RU 5.25"H x 6"D
DISTRIBUTION RINGS	
CMP-175-A	Panel with (5) 1.75"x3" Rings 1RU
CMP-350-A	Panel with (5) 3"x3" Rings 2RU
CMP-175-AD	Panel W 5 1.75"X3" RINGS 1 RMS - 1.5"Wx4"H Wiring Duct
CMP-350-AD	Panel W 5 3"X3" RINGS 2 RMS - 3"Wx4"H Wiring Duct



DXE-CAT Extenders | HDBaseT

Catalog No.	Description
DXE-CAT-S1	HDBaseT Lite - TX/RX Box Set - Up to 230ft
DXE-CAT-S2	HDBaseT TX/RX Box Set w/ 2 LAN Ports (1PoE) - Up to 600ft
DXE-CAT-S2L	HDBaseT TX/RX Box Set w/ 2 LAN Ports (1PoE) + 8Mb Storage - Up to 600ft



DXE-CAT-S1

- Transmit HDMI up to 1080p 60Hz 48bit 230ft over one CAT 5e/6/7 cable
- Supports 4K x 2K & HDMI 3D
- HDCP Compliant
- All connectors on one side for easier installation
- Bi-directional RS-232 & IR
- Power both units from TX or RX side with wall power supply (HDBaseT POH)
- Status LED for all connections on front
- Various mounting options
- Comes in a variety of models for different features & cost savings
- Use HDBaseT Certified Cables

DXE-CAT-TX1
DXE-CAT-RX1

Transmitter Unit
Receiver Unit



DXE-CAT-S2 and DXE-CAT-S2L

- Transmit HDMI up to 1080p 60Hz 48bit 330ft over one CAT 5e/6/6A cable 4245F or 254245F
- Transmit HDMI up to 1080p 60Hz 24bit 500ft over one CAT 6 cable 4246F or 254246F
- Transmit HDMI up to 1080p 60Hz 24bit 600ft over one CAT 6A Shielded cable 4246AF or 254246AF
- Supports 4K x 2K & HDMI 3D
- HDCP Compliant
- All connectors on one side for easier installation
- Bi-directional RS-232 & IR & LAN
- Power both units from TX or RX side with wall power supply (HDBaseT PoH)
- LAN PoE (Flex Power) can power both TX & RX without wall supplies (Patents Pending)
- Status LED for all connections on front
- Various mounting options
- Comes in a variety of models for different features & cost savings
- Use HDBaseT Certified Cables
- DXE-CAT-S2L - has 8Mb of storage capability for hosting a web control page

DXE-CAT-TX2
DXE-CAT-RX2

Transmitter Unit
Receiver Unit



DXE-CAT Series

- **Dimensions:** 4.7" x 3.03" x 1.1"
- **Weight:** .87lbs
- **Mounting:** Wall mounting tabs included
Rack mounting brackets included

DXE-CAT Extenders | Rack Unit

Catalog No.	Description
DXE-CAT-RK3	3RU 19"W- Fits 16 DXE-CAT Extenders
DXE-CAT-RK3BL	Blank Panels for DXE-CAT-RK3 Rack



DXE-CAT Extenders | IR, RS-232, AND Power Supply Cables

Catalog No.	Description
CA0012-1	Single IR Emitter
CA0026-1	Dual IR Emitter
CA0052-F2T3R	3.5mm TRS to Female DB9 2-TX, 3-RX Null Modem
CA0052-F3T2R	3.5mm TRS to Female DB9 3-TX, 2-RX
CA0052-M2T3R	3.5mm TRS to Male DB9 2-TX, 3-RX Null Modem
CA0052-M3T2R	3.5mm TRS to Male DB9 3-TX, 2-RX
PS0080-1-US	24Vdc PS w/ US Adaptor (DXE-CAT and DXW)
PS0077-1	24Vdc 60W PS w/ US Adaptor (DXE-CAT-RX3-A, RX3L-A)
PS0062-1	24Vdc 24W PS w/ US Adaptor (DXW-2EU, RX3, RX3L)



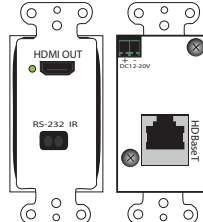
DXW Extenders | 1 and 2 Gang HDBaseT Wall Plates

Catalog No.	Description
DXW-1	1 Gang Decora Style - HDMI Input - HDBaseT Output
DXW-2	2 Gang Decora -VGA+Audio+HDMI Inputs - HDBaseT Output
DXW-2E	2 Gang Decora -VGA+Audio+HDMI+LAN Inputs - HDBaseT Output
DXW-2EU DXW-2EUH	2 Gang Decora -VGA+Audio+HDMI+LAN+USB Inputs - HDBaseT +USB Output - USB independent from HDBaseT - H version is the USB HOST

DXW-1

HDMI

- 1 Gang AV Wall plate- Decora Style
- HDMI Digital AV - DVI with Audio
- HDBaseT UTP Signal Distribution 230ft.
- Bi-directional RS-232 and IR
- Available in White -W or Black -B



Note: DXW-TX-1 Available August 2014

DXW-2

HDMI + VGA With Audio

- 2 Gang AV Wall plate- Decora Style
- VGA (Component Video) Distribution with Audio
- HDMI Digital AV - DVI with Audio
- HDBaseT UTP Signal Distribution 330ft.-600ft.
- Bi-directional RS-232 and IR
- Available in White -W or Black -B



DXW-2E

HDMI + VGA With Audio + LAN Port

- 2 Gang AV Wall plate- Decora Style
- VGA (Component Video) Distribution with Audio
- HDMI Digital AV - DVI with Audio
- 10/100 BaseT Ethernet - DATA
- HDBaseT UTP Signal Distribution 330ft.-600ft.
- Bi-directional RS-232 and IR
- Available in White -W or Black -B



DXW-2EU or DXW-2EUH (Host Side USB)

HDMI + VGA With Audio + LAN Port + 2 USB 2.0 480Mb Ports

- 2 Gang AV Wall plate - Decora Style
- VGA (Component Video) Distribution with Audio
- HDMI Digital AV - DVI with Audio
- 10/100 BaseT Ethernet - DATA
- 2 -USB Connection - Independently 280ft.
- HDBaseT UTP Signal Distribution 330ft.-600ft
- Bi-directional RS-232 and IR
- Available in White -W or Black -B
- **DXW-2EUH - Will couple with DXE-USB-D1P (USB)**



CN-XX2GDECORA 2Gang Decora Cutout Plate

Replace XX: **AW - Aluminum White**
AB - Aluminum Black

CN-XX1GDECORA 1Gang Decora Cutout Plate

Replace XX: **AW - Aluminum White**
AB - Aluminum Black

DXW-Series

- **Dimensions:** 2 Gang Decora® 3.397" x 1.066" Depth - RJ45 Back Plate Entrance(Right Angle)
 - **Mounting:** Fits in standard 2 Gang Decora® style wall plate
 - **Buttons:** Backlit buttons - Select Green, Blue or Red
 - **IR Remote Window:** Plate can receive IR remote at 38kHz up to 40ft. away
 - **Max. Resolution:** 4K x 2K - Color Depth: 48bit
- NOTE: DXW Series comes with a paintable plastic decora plate.**

DXW Extenders | 3 Gang HDBaseT Wall Plates

Catalog No.	Description
DXW-3	3 Gang Decora -VGA+Audio+HDMI +Displayport Inputs - HDBaseT Output
DXW-3E	3 Gang Decora -VGA+Audio+HDMI+ Displayport +LAN Inputs - HDBaseT Output
DXW-3EU	3 Gang Decora -VGA+Audio+HDMI+LAN+ Displayport + USB Inputs - HDBaseT +USB Output - USB Independent from HDBaseT - Destination Side USB
DXW-3EUH	3 Gang Decora -VGA+Audio+HDMI+LAN+USB Inputs - HDBaseT +USB Output - USB independent from HDBaseT - Host side USB

DXW-3

HDMI + VGA With Audio + Displayport

- 3 Gang AV Wall plate- Decora Style
- VGA (Component Video) Distribution with Audio
- HDMI Digital AV - DVI with Audio
- Displayport Digital AV
- HDBaseT UTP Signal Distribution 330ft.-600ft.
- Bi-directional RS-232 and IR
- Available in White -W or Black -B



DXW-3E

HDMI + VGA With Audio + Displayport + LAN Port

- 2 Gang AV Wall plate- Decora Style
- VGA (Component Video) Distribution with Audio
- HDMI Digital AV - DVI with Audio
- Displayport Digital AV
- 10/100 BaseT Ethernet - DATA
- HDBaseT UTP Signal Distribution 330ft.-600ft.
- Bi-directional RS-232 and IR
- Available in White -W or Black -B



DXW-3EU or DXW-3EUH (Host Side USB)

HDMI + VGA With Audio + LAN Port + Displayport + 2 USB 2.0 480Mb Ports

- 2 Gang AV Wall plate - Decora Style
- VGA (Component Video) Distribution with Audio
- HDMI Digital AV - DVI with Audio
- Displayport Digital AV
- 10/100 BaseT Ethernet - DATA
- 2 -USB Connection - Independently 280ft.
- HDBaseT UTP Signal Distribution 330ft.-600ft
- Bi-directional RS-232 and IR
- Available in White -W or Black -B
- DXW-2EUH - Will couple with DXE-USB-D1P (USB)



CN-XX36DECORA 3Gang Decora Cutout Plate
 Replace XX: **AW** - Aluminum White
AB - Aluminum Black

DXW-3 Series

- **Dimensions:** 3 Gang Decora® 5.54" x 2.833" x 1.04" Depth - RJ45 Back Plate

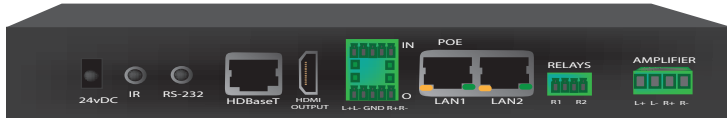
Entrance (Right Angle)

- **Mounting:** Fits in standard 3 Gang Decora® style wall plate
- **Buttons:** Backlit buttons - Select Green, Blue or Red
- **IR Remote Window:** Plate can receive IR remote at 38kHz up to 40ft. away
- **Max. Resolution:** 4K x 2K - Color Depth: 36bit

NOTE: DXW Series comes with a paintable plastic decora plate.

DXE-CAT Receivers | Receiving Units HDBaseT

Catalog No.	Description
DXE-CAT-RX1	HDBaseT Lite Receiver up to 230ft Range - ONLY DXW-2
DXE-CAT-RX2	HDBaseT Receiver Up to 600ft - DXW-2, 2E, and 2EU
DXE-CAT-RX3	HDBaseT Receiver Up to 600ft - DXW-2, 2E, and 2EU - Line IN/OUT 2 relays
DXE-CAT-RX3L	HDBaseT Receiver Up to 600ft - DXW-2, 2E, and 2EU - with Web Control
DXE-CAT-RX3-A	HDBaseT Receiver Up to 600ft - DXW-2, 2E, and 2EU - with Audio de-embed Amplified
DXE-CAT-RX3L-A	HDBaseT Receiver Up to 600ft - DXW-2, 2E, and 2EU - with Audio de-embed Amplified + Web Control



DXE-CAT-RX3 SERIES

- **Dimensions:** 8.46 x 3.82" x 1.3"
- **Weight:** 2bs
- **Mounting:** Wall mounting tabs included
Rack mounting brackets included

DXE-CAT Receivers | Receiving Units HDBaseT-Wall Plate

Catalog No.	Description
DXW-2-RX1	2 Gang Decora style HDBaseT Receiver - 230ft Available in White or Black
DXW-2E-RX2	2 Gang Decora style HDBaseT Receiver - 10/100 LAN 330ft: Available in White or Black

DXW-2-RX1 HDMI + IR/RS-232

- 2 Gang Decora
- HDBaseT 230ft
- Remotely or Locally Powered
- HDMI Out
- Available in White -W or Black -B



DXW-2E-RX2 HDMI + LAN + IR/RS-232

- 2 Gang Decora
- HDBaseT 330ft
- Remotely or Locally Powered
- HDMI Out
- 10/100 BaseT LAN
- Available in White -W or Black -B



DXW Extenders | Analog Video Breakaway Cable

Catalog No.	Description
CA0054-1	VGA To Component and Composite Video Breakaway cable

AV Assemblies | Analog Video Cable

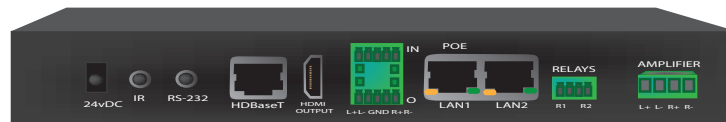
Catalog No.	Description
CN-HDVGAAP-XX	VGA + Audio Assembly (XX: 3,6,12)
CNHD825YERCA-XX	RCA to RCA YELLOW Composite Video (XX: 3,6,10,15,20,25)
CN-E3.5MM-XX	Stereo Mini Assembly (XX: 6,12,25)
CN-SMTRCA-XX	Stereo Mini to 2 RCA Audio (XX: 6,12,25)



HDBaseT | Wall Plate Kits

Catalog No.	Description
DXW-2-S1	Includes: DXW-2 + DXE-CAT-RX1 - 230ft. Available in White or Black
DXW-2E-S2	Includes: DXW-2E + DXE-CAT-RX2 600ft - Available in White or Black
DXW-2E-S3-A	Includes: DXW-2E + DXE-CAT-RX3-A 600ft- Available in White or Black
DXW-2E-S3L	Includes: DXW-2E + DXE-CAT-RX3L 600ft - Available in White or Black
DXW-2E-S3L-A	Includes: DXW-2E + DXE-CAT-RX3L-A 600ft - Available in White or Black
DXW-2EU-S2	Includes: DXW-2EU + DXE-USB-H1 - Available in White or Black

All Wall Plates are available in White or Black. For a Black plate add - BK to the P.N. Example: DXW-2E-S2-BK
Kits also include: Power Supply



+

POWER SUPPLY

Catalog No.	Description
PS0080-1	24Vdc PS w/ US Adaptor (DXE-CAT and DXW)
PS0077-1	24Vdc 60W PS w/ US Adaptor (DXE-CAT-RX3-A, RX3L-A)
PS0062-1	24Vdc 24W PS w/ US Adaptor (DXW-2EU, RX3, RX3L)

HDBaseT | Complete One Room - One Cable Kits

Catalog No.	Description
ORC-1	Includes: DXW-2 + DXE-CAT-RX3-A + (2) SKR-22T + DXB-8
ORC-2	Includes: DXW-2E + DXE-CAT-RX3-A + (2) SKR-22T + DXB-8
ORC-3	Includes: DXW-2EUH + DXE-CAT-RX3-A + (2) SKR-22T + DXB-8 + DXE-USB-D1P

All Wall Plates are available in White or Black. For a Black plate add - BK to the P.N. Example: DXW-2E-S2-BK
Kits also include: Power Supply
DXB-8 control keypad comes pre-programmed for controlling the DXW-2 and the DXE-CAT-RX3-A - You only need to drop in Display ON/OFF commands.

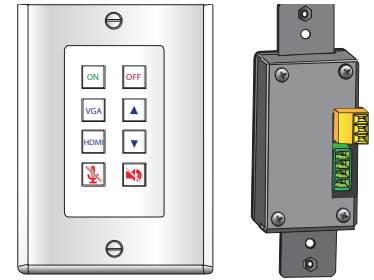


WEST PENN WIRE

DXB-8 | Wall Control Unit Used with DXW Series Plates

Catalog No.	Description
DXB-8	8 Button Control Unit - Use with DXW-2 Series Wall Plates

DXB-8 Wall Button Control Panel is used to control via RS-232 the video content from the DXW-Series wall plates. The DXB-8 is designed to work with just about any RS-232 device on the market. The buttons can be individually be lit red, green, or blue so in dimly lit areas can be seen. Buttons can be customized laser etched.



DXE-USB Extenders | USB -Twisted Pair Extenders

Catalog No.	Description
DXE-USB-S1	USB 2.0 - 480Mb Extender TX/RX Set - Power Supply Included
DXE-USB-H1	USB 2.0- 480Mb Host/Computer Side Extender - Up to 280ft Used with DXW-2EU
DXE-USB-D1P	USB 2.0- 480Mb Destination Side Extender - Up to 280ft Used with DXW-2EUH



CATEGORY 6 FTP/ 4246F OR 254246F ARE RECOMMENDED FOR THE USB EXTENDER UNITS AND DXW-2EU UNITS

SKR-22T Speaker | Tile Ceiling Speaker

Catalog No.	Description
SKR-22T	2x2 Tile Ceiling Speaker - 35Watt 40hm- 360° Coverage - 2.2" Depth
SKR-22T-XFR	2x2 Tile Ceiling Speaker - 70v/100v - 360° Coverage - 2.2" Depth

The SKR-22T is a light weight speaker that delivers clear sound with fidelity not normally found on typical ceiling speakers. Its ability to reproduce 360° sound field allows the use of only one speaker in a room for mono operation. Just drop the ceiling speaker into a 2x2 ceiling grid and connect the speaker wire and you are done.

The SKR-22T is used with the DXE-CAT-RX3 Series Receiving Devices.



HDMI Assemblies

HDMI Locking Assemblies | 700 Series - HDMI Locking with Ethernet Channel

Catalog No.	Description
CN-HD700-XX	HDMI Locking + Ethernet Channel Replace XX With 2, 4, 8, 16, 25, 35, 50 feet

PerfectPath 1000 Series

- 25lbs. Locking Assembly
- 3D Over HDMI
- High Speed HDMI with Ethernet Channel
- CL2/ FT4 Rating
- 4kx2k Resolution
- Audio Return Channel



HDMI Locking Assemblies | 600 Series - HDMI Locking High Retention with Ethernet

Catalog No.	Description
CN-HD600-XX	HDMI Locking Retention + Ethernet Channel Replace XX With 6, 6, 12 feet

PerfectPath 600 Series

- 12lbs. Locking Assembly
- 3D Over HDMI
- High Speed HDMI with Ethernet Channel
- CL2/ FT4 Rating
- 4kx2k Resolution
- Audio Return Channel



Economy HDMI | Short Distance

Catalog No.	Description
CN-40HDMI-XX	Economy HDMI Replace XX With 2, 4, 8, 16, 25, 35, 50 feet

Plenum HDMI | Plenum CMP Rating

Catalog No.	Description
CN-CPHMMETH-XX	Plenum HDMI w/Ethernet Assemblies Replace XX: 15, 25, 35, 50 feet



AV Distribution | Matrix Cages

Catalog No.	Description
DXM-88-G2	8x8 Analog/Digital Matrix Cage - G2 Series
DXM-1616-G2	16x16 Analog/Digital Matrix Cage - G2 Series
DXM-3232-G2	32x32 Analog/Digital Matrix Cage- G2 Series

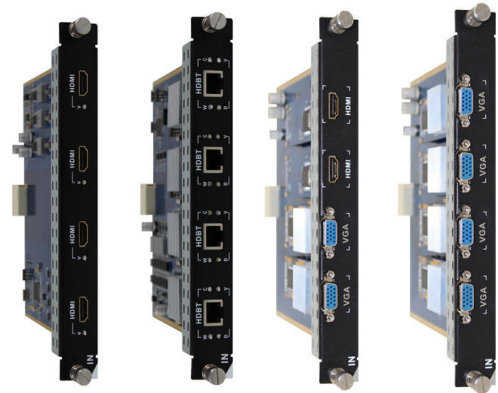
Features:

- Redundant Power Supplies are Available
- Easy Access to the Front and Rear of the Cage
- Easy Use, Set-up Card Input/Output Exchange (Hot Swap)



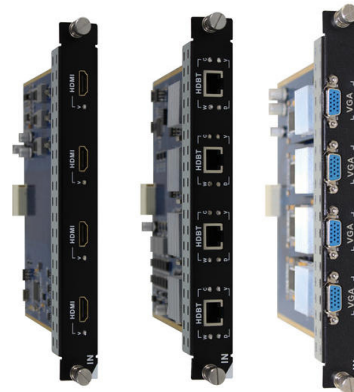
AV Distribution | Input Cards

Catalog No.	Description
DXCI-4-HDMI-G2	4 Input HDMI Digital AV Card
DXCI-4-HDBT1-G2	4 Input HDBaseT Lite- Up to 230ft AV Card
DXCI-4-HDBT2-G2	4 Input HDBaseT - Up to 600ft *AV Card
DXCI-4-HDBT2E	4 Input HDBaseT with Ethernet Pass Thru
DXCI-4-2V2H-G2	4 Input - 2 VGA + 2 HDMI (Audio Breakout Tails) AV Card
DXCI-4-VGA-G2	4 Input VGA + Audio Breakout Tails AV Card



AV Distribution | Output Cards

Catalog No.	Description
DXCO-4-HDMI-G2	4 Output HDMI Digital AV Card
DXCO-4-HDBT1-G2	4 Output HDBaseT Lite- Up to 230ft AV Card
DXCO-4-HDBT2-G2	4 Output HDBaseT - Up to 600ft* AV Card
DXCO-4-HDBT2E	4 Output HDBaseT with Ethernet Pass Thru
DXCO-4-VGA-G2	4 Ourput VGA + Audio Breakout Tails AV Card



AV Distribution | Blank Panel Card/ Power Supply

Catalog No.	Description
DXC-BL-G2	Blank Panel Card for DXM-G2 Cages
DXM-PWR-G2	Power Supply for DXM-1616 and DXM-3232

DigitalXtreme | HDMI Switches

AV Distribution | HDMI Matrix Switches

Catalog No.	Description
ASP-44-4K	4x4 HDMI 3D Matrix 4K- HDCP compliant - RS-232 & IR Control
ASP-88-4K	8x8 HDMI 3D, 4K UHD Matrix- HDCP compliant - RS-232 & IR Control - 7.1 Ch. Digital Audio



AV Distribution | AV Scaler

Catalog No.	Description
ASP-S123VK	Presentation Scaler - 12x3 - HDBaseT Lite , Includes DXE-CAT-RX1 Receiving Device -KIT

The ASP-S123V is a presentation scaler switcher designed for multi-signal processing of Composite Video, S-Video, Component Video (YPbPr), VGA (Computer Graphics), and HDMI inputs which can be scaled to 1080p in VGA/HDMI format. It has an integrated HDBaseT extender allowing the output to extend up to 230ft [70m] at 1080p 60Hz. In addition, the microphone input, and 20 Watt amplifier makes the ASP-S123V a complete cost effective solution for education, commercial, and digital signage.



AV Distribution | Video Wall Processors

AV Distribution | Video Wall Processing Units

Catalog No.	Description
DIDO-LT	Up to 64 Monitors- Cost Effective - Landscape
DIDO-JR	Up to 64 Monitors - Image Rotation
DIDO-PRO	Quad-Image and Image Rotation

DIDO LT

DIDO LT is the ideal video wall processor when budget is a concern, but sacrificing quality is not an option. Integrators can design video walls with up to 64 monitors. DIDO LT's image quality is visibly superior to much more expensive video wall processors and it gives any integrator the ability to produce a high quality video wall with ease.

On-screen display menus make the DIDO LT a breeze to set up. Input and output resolutions are completely customizable to match the displays optimal resolutions. User presets allow for simple manipulation of the video wall. You can easily set it up to go from a single large image shown across all monitors to unique images on several groups of monitor.

DIDO JR

DIDO Jr. is the ideal video wall processor and video image rotation engine. Integrators can design video walls with up to 64 monitors and the monitors can even be mounted in portrait position. DIDO Jr's image quality is visibly superior to much more expensive video wall processors and it gives any integrator the ability to produce a high quality video wall. On-screen display menus make the DIDO Jr. a breeze to set up. Input and output resolutions are completely customizable to match the displays optimal resolutions. User presets allow for simple manipulation of the video wall. You can easily set it up to go from a single large image shown across all monitors to unique images on several groups of monitor.

DIDO PRO

The DIDO Pro is an extremely compact and powerful, multipurpose video processor. It is a high resolution, quad image scaler with the ability to rotate the displayed image windows in ninety degree increments.

DIDO Pro can show up to 4 high resolution/full motion images on a single display with great flexibility in any format. Up to 6 inputs can be selected using the included IR remote or serial control with Aurora's WACI NX or other high end control systems. Store up to 99 presets and link together multiple DIDO's for control via a single RS-232 port.

DIDO - OPTIONAL ACCESSORIES

- CA0020-1 DVI-I To DVI-D Breakout Cable
- CA0022-1 DVI-I To DVI-D RCA Breakout Cable
- CA0021-1 DVI-I to DVI-D BNC Breakout Cable





AV Distribution | AV Tuner with IPTV

Catalog No.	Description
V-TUNEPRO-4K	Total Tuning Solution with IPTV in 1 Box 4K

The V-Tune Pro HD delivers a total tuning solution for any integrated system which requires IPTV, ATSC, QAM, or NTSC. The tuner is capable of decoding MPEG2, MPEG4, H.264, and VC-1 with resolutions up to 1080p on both the LAN and the RF connections.

The VTune Pro HD is integrator-friendly with IR, RS-232 and IP-based control. A host of video output ports will support composite video, s-video, component, and HDMI. Audio is provided with unbalanced stereo RCA connections, S/PDIF, and optical. The VTune Pro HD defines versatility as it can be fit into nearly any integrated system topology. There is no other tuner on the market which can support all these features at a cost effective price. Competitive white papers are available upon request.



AV Distribution | Distribution AMP/ HDMI Splitters

AV Distribution | HDMI Splitters

Catalog No.	Description
ASP-12H-4K	1x2 HDMI Distribution Amp Splitter with EDID manager
ASP-14H-4K	1x4 HDMI Distribution Amp Splitter with EDID manager
ASP-18H-4K	1x8 HDMI Distribution Amp Splitter with EDID manager

AV Distribution | HDMI Audio De-embedder

AV Distribution | Audio De-embedder

Catalog No.	Description
ASP-HDB1	HDMI Audio De-embedder Unit

The ASP-HDB1 is a high performance HDMI audio de-embedder. The unit can de-embed audio from the HDMI input or from the HDMI output audio return channel.

HDMI | Economy HDMI Extenders

HDMI - UTP ECONOMY EXTENDERS	
Catalog No.	Description
ASP-CATx1RS	HDMI UTP Extender Box Set - IR/RS-232 130ft 1080P 24bit
CN-R01EXT-HSL	HDMI UTP Extender Box Set - 130ft - 1080P 12bit
HDMI - HDMI ECONOMY EXTENDERS	
CN-R013EQLFF-B	HDMI - HDMI Box Style - 1080P - 125ft
CN-R013EQLFA-B	HDMI - HDMI Wallplate 1080P - 125ft
CN-R013EQLMF-01	HDMI M- HDMI F Pigtail - 1080P 125ft



DisplayPort/Mini-DisplayPort | Extenders and Adapter Cables

DISPLAYPORT EXTENDERS AND ADAPTER CABLES	
Catalog No.	Description
CN-R06SPL-102	DISPLAYPORT 1X2 SPLITTER OVER CAT5E/6 CABLES
CN-R06EXT-C5E1	EXTENDER TX/RX BOX STYLE 100FT 1920X1200
CN-R06EXTC5E1RX	DISPLAYPORT EXTENDER RX
CN-R06CVTVGA	DISPLAYPORT TO VGA ADAPTER CABLE
CN-R06CVTHDMI	DISPLAYPORT TO HDMI ADAPTER CABLE
CN-R06CVTDVI	DISPLAYPORT TO DVI ADAPTER CABLE
CN-R06CVTVGA-XX	DISPLAYPORT TO VGA CABLE: xx: 6 or 10 ft
CN-R06CVTHDMI-XX	DISPLAYPORT TO HDMI CABLE: xx: 6 or 10 ft
MINI- DISPLAYPORT ADAPTER CABLES	
CN-MDPM-VGAF	MINI DISPLAYPORT M TO VGA F
CN-MDPM-HDMI	MINI DISPLAYPORT M TO HDMI
CN-MDPM-DVIF	MINI DISPLAYPORT M TO DVI F



i-Pad Products | i-Extenders

i-EXTENDERS - i-PAD PRODUCTS	
Catalog No.	Description
CN-R09IPAD4IN1	i-PAD 4 IN 1 APPLE DIGITAL AV ADAPTER- HDMI, VGA, DVI, USB
CN-R09EXTIP-HSL	APPLE TO HDMI UTP BOX SET TX/RX EXTENDER
CN-R01EXT-HSLRX	HDMI RECEIVER ONLY BOX STYLE
CN-R01EXTL-RX-J	HDMI RECEIVER WALL PLATE RJ45 STYLE
CN-R09EXTIPH5LJ	APPLE TO HDMI UTP WALL PLATE SET TX/RX EXTENDER
CN-R02EXT-35JR	VGA + AUDIO WALL PLATE STYLE RX ONLY
CN-R09EXTIPVGA35	APPLE TO VGA + AUDIO UTP BOX SET TX/RX EXTENDER



Transmitter

Receiver
R01-EXT-HSL-RX

Coaxial Cables | HD-SDI - Broadcast Video



- Features:**
- Digital Video HD-SDI Design
 - CMR and CMP Ratings
 - Sweep Tested Up to 4.5Ghz

- Applications:**
- Indoor for:
- SMPTE Serial Digital Video
 - Broadcast Video Distribution
 - AES3id Digital Audio
 - Baseband Video
 - RF Modulated CATV/MATV/DBS

Standard Pool Size: 1000ft

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Nom. Vel. of Prop	Jacket Colors
			Inches		Inches	Inches				
HD825	1 Cond. Miniature	25AWG Solid BC 30Ω/M	Gas Injected PE .085	Bi-Foil 100% TC Braid 95%	PVC	.146	CMR	16.2pf/ft 75Ω	82%	Black
HD25825	1 Cond. Miniature	25AWG Solid BC 30Ω/M	Gas Injected PE .085	Bi-Foil 100% TC Braid 95%	Flex Plenum	.146	CMP	16.2pf/ft 75Ω	82%	Black
819	1 Cond. RG59/U	20AWG Solid BC 10Ω/M	Gas Injected PE .142	Bi-Foil 100% TC Braid 95%	PVC	.232	CMR	16.2pf/ft 75Ω	84%	Black
25819	1 Cond. RG59/U	20AWG Solid BC 10Ω/M	Gas Injected PE .142	Bi-Foil 100% TC Braid 95%	Flex Plenum	.200	CMP	16.2pf/ft 75Ω	84%	Black
AQC819	1 Cond. RG59/U	20AWG Solid BC 10Ω/M	Gas Injected PE .142	Water-Blocking Tape + Bi-Foil 100% TC Braid 95%	Sunlight Resistant PVC	.242	CM	16.2pf/ft 75Ω	82%	Black
6350	1 Cond. RG6/U	18AWG Solid BC 6.4Ω/M	Gas Injected PE .180	Bi-Foil 100% TC Braid 95%	PVC	.275	CMR	16.2pf/ft 75Ω	82%	Black
256350	1 Cond. RG6/U	18AWG Solid BC 6.4Ω/M	Gas Injected PE .170	Bi-Foil 100% TC Braid 95%	Flex Plenum	.236	CMP	16.2pf/ft 75Ω	82%	Black

Electrical Characteristics: [Page 22](#)

HD-SDI Cable Jacket Colors
Note: A minimum order quantity apply on select jacket colors.

- Black ● Standard Color
- Red ●
- Green ●
- Blue ●
- White ○
- Yellow ●

Other colors available upon request.
Minimum quantities apply

Video Connectors | High Definition BNC Compression Double Bubble

Catalog No.	Description
CN-DB15BNCHD	MiniMax 25AWG Cables - Purple Band
CN-DB59BNCHD	RG59/U HD BNC - Red Band
CN-DB6BNCHD	RG6/U HD BNC - Green Band

HD 360° Compression

- True 360° compression
- Creates permanent "Double Bubble" connection
- Environmentally sealed
- 75Ω Impedance
- Superior pull-out strength
- High definition applications

Tools:

- Strip Tool: TL-CSST
- Compression Tool: TL-CPLRBC



Video Connectors | Standard Compression BNC

Catalog No.	Description
CN-BNCP-825	MiniMax 25AWG Compression BNC
CN-BNC59MCV	RG59/U Multi-Cable (CMR/CMP) Compression BNC
CN-BNC6MCV	RG6/U Multi-Cable (CMR/CMP) Compression BNC

Tools:

- Strip Tool: TL-CSST
- Compression Tool: TL-SNSA or TL-548G



Video Connectors | Standard Crimp BNC

Catalog No.	Description
CN-BM74-18	MiniMax 25AWG 4pc. Crimp BNC
CN-BM74-32	RG59/U 4pc. Crimp BNC (CMR/CMP)
CN-BM73-4	RG6/U 3pc. Crimp BNC (CMR - 6350)
CN-BM73-5	RG6/U 3pc. Crimp BNC (CMP - 256350)

Tools:

- Strip Tool: TL-825 - MiniMax Coax
TL-7503 - RG59 and RG6
- Compression Tool: TL-105 - MiniMax
TL-104 - RG59
TL-107 - RG6



Digital Video | Cable Assemblies

SDI Video Assemblies | 75Ω BNC to 75Ω BNC

DIGITAL VIDEO MINIMAX NON-PLENUM		
Catalog No.	Length	Jacket Colors
CN7BHD825BK3	3 Foot SDI	BLACK BK- BLACK
CN7BHD825BK6	7 Foot SDI	
CN7BHD825BK10	10 Foot SDI	
CN7BHD825BK15	15 Foot SDI	
CN7BHD825BK20	20 foot SDI	
CN7BHD825BK25	25 Foot SDI	

DIGITAL VIDEO MINIMAX PLENUM		
Catalog No.	Length	Jacket Colors
CNHD25825BK3	3 Foot SDI	BLACK BK- BLACK
CNHD25825BK6	7 Foot SDI	
CNHD25825BK10	10 Foot SDI	
CNHD25825BK15	15 Foot SDI	
CNHD25825BK20	20 foot SDI	
CNHD25825BK25	25 Foot SDI	



Notes:

Our HD-SDI cable assemblies are made in-house. For Custom lengths and connection style, please contact our Sales and Engineering Team - 800-245-4964

Speaker | UTP Non-Plenum



- Features:**
- Commercial Speaker Design
 - 18 and 16 AWG Flexible
 - Available in Multiple Jacket Colors

- Applications:**
Indoor for:
- Commercial Speaker Systems
 - Audio Systems

Standard Spool Size: 1000ft

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches		Inches				
224	2 Conductor	18 AWG 7x26 6.2Ω/M	PP* .008	None UTP	PVC .017	.156	CMR	--	 GY, BK, BN, WH
225	2 Conductor	16 AWG 19x29 4.1Ω/M	PP* .008	None UTP	PVC .017	.182	CMR	--	 GY, BK, BN, WH, SGN

PP* - Polypropylene Insulation
Insulation Material Could be changed to PVC

Speaker | UTP Plenum



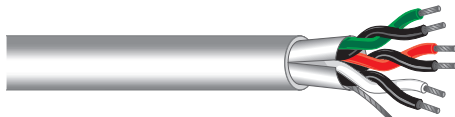
- Features:**
- Commercial Speaker Design
 - 18 and 16 AWG Flexible
 - Available in Multiple Jacket Colors

- Applications:**
Indoor for Plenum Spaces:
- Commercial Speaker Systems
 - Audio Systems

Standard Spool Size: 1000ft

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches		Inches				
25224B	2 Conductor	18 AWG 7x26 6.2Ω/M	Polymer Alloy .008	None UTP	Flex Plenum .015	.154	CMP	--	 GY, BK, BN, OR, GN, WH, YE
25225B	2 Conductor	16 AWG 19x29 4.1Ω/M	Polymer Alloy .008	None UTP	Flex Plenum .015	.176	CMR	--	 GY, BK, GN, SGN

Serial Data | RS-232 Bulk



- Features:**
- Low Capacitance
 - Flexible 24 AWG

- Applications:**
Indoor for:
- Low Speed Data Links
 - RS-232 Control

Standard Spool Size: 1000ft

Catalog No.	No. of Conductors	Cond. Type & Nom. DCR	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D	NEC Type	Nom. Capacitance & Impedance	Jacket Colors
			Inches		Inches				
D2404	4 Pair	24 AWG 7x32 TC 26Ω/M	Polyolefin .013	Al. Foil 100%	PVC .030	.268	CMR	14.5pf/ft 26pf/ft	 GY

WEST PENN has established a strong partnership with RCI Custom to supply quality wall plates, panels and other custom metal products.

To Receive a quote please submit your drawing to West Penn Engineering, or download RCI Custom PBsE (Panel Builder SE). www.rcicustom.com

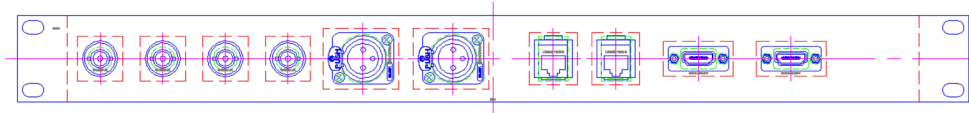
- State of the art panel building software: PBsE
- Competitive Pricing
- Quick panel/plate turnaround
- Strong Partnership
- Warranty



Panel Specifications



Panel Name: Panel 14



Project Number: 151
Project Name: - Copy

Qty	RCI Part #	Supplier	Description	Special Needs
4	CANBCJ-JR	Canare®	Canare BNC bulkhead	
2	LCMMJS110C6-S	L-Com®	L-Com Keystone Jack CAT6 RJ-45 110 Punch Down. Shielded.	
2	NEUNC3FD-L-B-1	Neutrik®	Neutrik XLR 3 pin female black	
1	BP-1	RCI Custom®	1 RU 1/8" blank panel; anodized aluminum - black	
2	RCICH-HDMIFF	RCI Custom®	HDMI F/F Chassis Feedthru Style	

A. Color Code		
Pair No.	1st Conductor	2nd Conductor
Pair 1	White/Blue	Blue
Pair 2	White/Orange	Orange
Pair 3	White/Green	Green
Pair 4	White/Brown	Brown
Jacket Colors: See Catalog No.		

HD-SDI | Electrical Specifications and Cable Distances

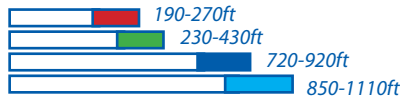
Broadcast Video Cable Electrical Specifications													
Cat. No	Return Loss 100kHz-1GHz 1GHz - 3GHz	Attenuation (db/100ft.)											
		1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	2.25 GHz	3 GHz	4.5 GHz
HD825	>23dB >21dB	.48	.98	1.73	3.51	4.69	6.51	7.72	10.88	13.34	18.92	22.16	--
HD25825	>23dB >21dB	.48	.99	1.75	3.54	4.73	6.57	7.79	10.98	13.46	19.28	22.80	--
819	>23dB >21dB	.28	.48	.66	2.20	2.62	3.79	4.30	6.23	7.49	11.19	13.23	16.40
25819	>23dB >21dB	.28	.48	1.03	2.20	2.83	4.15	4.85	7.29	9.00	14.75	17.50	27.50
6350	>23dB >21dB	.22	.36	.50	1.47	1.93	2.85	3.22	4.65	5.52	8.75	10.45	13.28
256350	>23dB >21dB	.23	.45	.75	1.77	2.45	3.30	4.0	5.90	7.30	11.59	13.71	16.98

HD-SDI Transmission Distances

HD825 & HD25825



819 & 25819



6350 & 256350



- 3.0Gb/s (Uncompressed 424M HDTV)
- 1.485 Gb/s (Uncompressed 292M HDTV)
- 360 Mb/s (Compressed 259M HDTV)
- 270 Mb/s (Compressed 259M 4:2:2)

Maximum Values Represent the approximate range at which the “cliff region” or maximum bit error rate will occur.

In every system, the quality of the output pulse, the amount of loss that can be compensated for by the receiver, the number of passive connectors and patch points, and the exact amount cable loss will vary. Because of this, the exact maximum cable length possible will vary. The above graphs do not represent the exact cable length possible; they only serve as a guide in selecting the appropriate cable type. When installing a cable in a system and it is approaching its maximum range, it is highly recommended that individual system testing and research be done.

HD-SDI Cable Cross Reference

Belden

West Penn

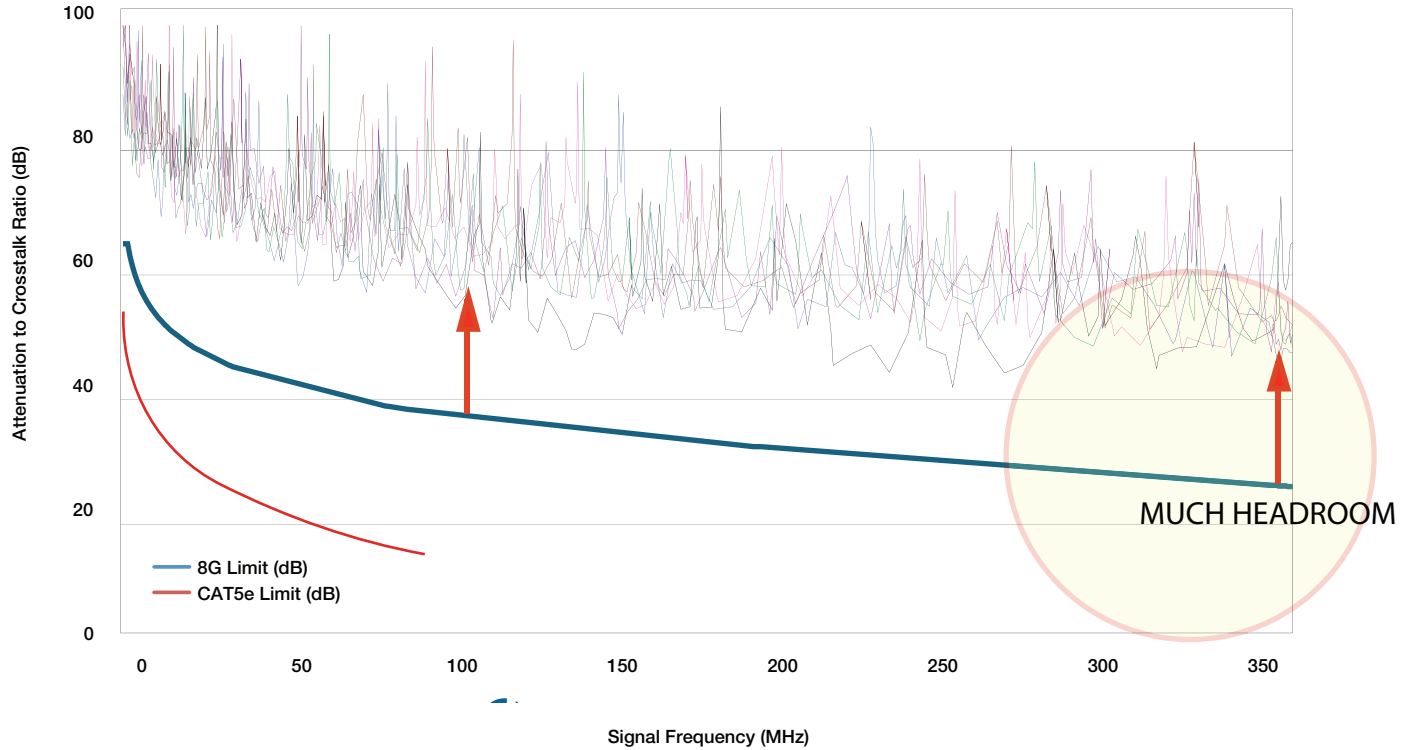
1505A	819
1506A	25819
1694A	6350
1695A	256350

Test Results: HDBaseT Cables



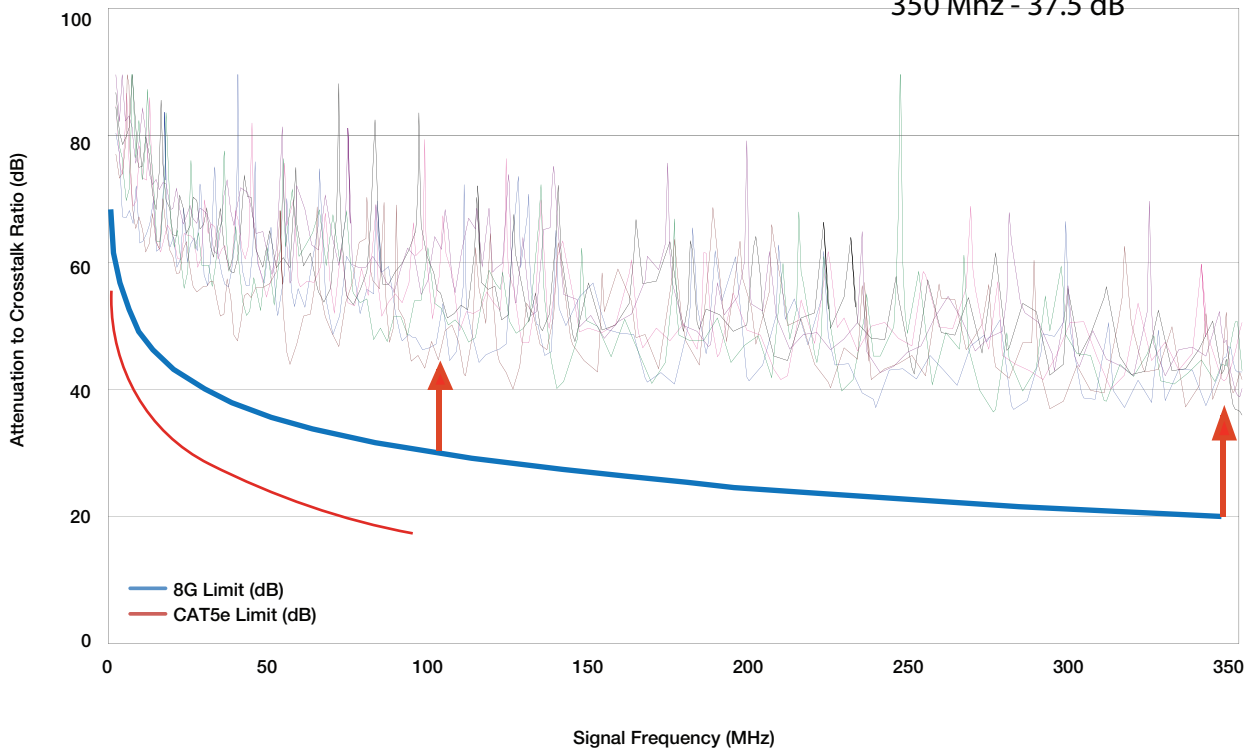
West Penn Wire: 4246AF - 10G Rated

PLOT POINTS
100 Mhz - 58.7dB
350 Mhz - 52.2 dB



West Penn Wire: 4246F

PLOT POINTS
100 Mhz - 43.8 dB
350 Mhz - 37.5 dB



WEST PENN **WIRE**



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