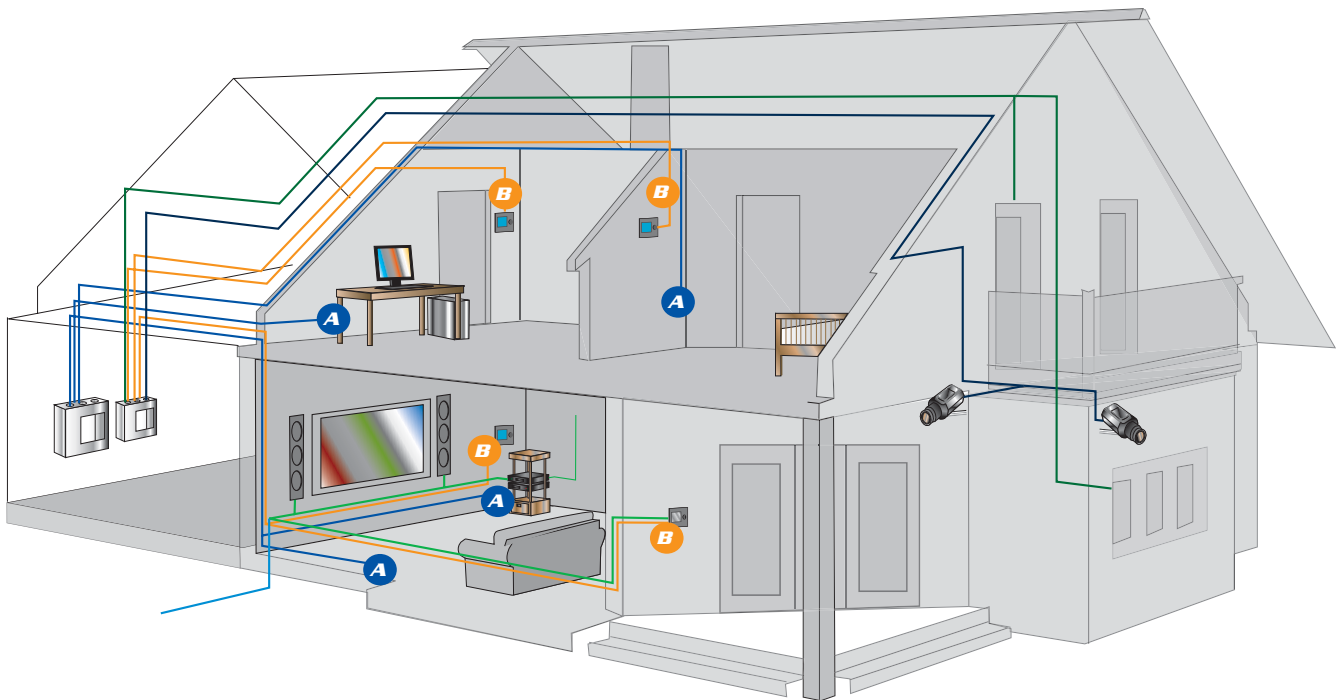


# Residential & Media Control Cables

**In the home.** Low voltage install cables are commonly linked to expansive commercial developments. The reality is more residential properties are requiring structured cables that exceed the TIA/EIA 570 Standards. West Penn Wire meets the need through home structured cabling, media control, high flex speaker cables and keypad audio control cables.



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## MINI INDEX

**WEST PENN WIRE**

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Home Networking- Data, Audio, Media Control Cables

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**WEST PENN WIRE**

**CABLE WITH CONFIDENCE**

# SPEAKER CABLES



## Description:

- ASTM Bare Copper • PVC insulation • Short overall twist lengths
- Overall PVC jacket

## Rating:

- NEC Type CL2
- (UL) Listed
- Flame Rating: UL1685



## Home Speaker Cable Two Conductor / Unshielded

### Applications:

#### Indoor for:

- Home Entertainment
- Sound and Audio
- Background Music
- Power-limited Control Circuits

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
HA225	2	16 AWG (65x34) BC 4.02 Ω/Mft	PVC .015	None	PVC .025	.199	CM	--	White, Blue & Black
HA226	2	14 AWG (65x32) BC 2.58 Ω/Mft	PVC .015	None	PVC .025	.250	CL3	--	White, Black
HA227	2	12 AWG (65x30) BC 1.7 Ω/Mft	PVC .015	None	PVC .025	.280	CL3	--	White, Black
HA210	2	10 AWG (65x28) BC 1.1 Ω/Mft	PVC .012	None	PVC .020	.280	CL2	--	Gray

### Color Code

Catalog No.	HA225A, HA226A, HA227A, HA210
Primary Color Code	Black, Red

## Speaker Level Audio Connectors

### Banana and Binding Post Connectors

Catalog No.	Description
19-1239	Banana Red
19-1240	Banana Black
CN-MDP8	Banana Plug (8 Awg.) Double
CN-BPX-24B	Binding Post with Red,Black



### Speakon Cable Mt. Female SPX

Catalog No.	Description
CN-NL4FX	4 Pole, SPX Gray
CN-NL4FX2	4 Pole, SPX Red
CN-NL4FX4	4 Pole, SPX Yellow
CN-NL4FX5	4 Pole, SPX Green
CN-NL4FX9	4 Pole, SPX White

### Speakon Audio Adapter

Catalog No.	Description
CN-NL4MMX	4 Pole Male to Male Adapter

### Speakon Cable Mt. Female Standard

Catalog No.	Description
CN-NL4FC	4 Pole, Standard

CN-NL4MMX

# SPEAKER CABLES

## Home Speaker Cable Four Conductor / Unshielded

### Applications:

Indoor for:

- Home Entertainment
- Sound and Audio
- Background Music
- Power-limited Control Circuits

**NEW** More Flexible

Standard spool size 1000ft.



### Description:

- ASTM Bare Copper • PVC insulation • Cabled Construction
- Overall PVC jacket

### Rating:

- NEC Type CL2
- (UL) Listed
- Flame Rating: UL1685

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding	Jacket Type & Thickness		Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches				
HA245	4	16 AWG (65x34) BC 4.02 Ω/Mft	PVC .015	None	PVC .025	.242	CM	--	White	
HA246	4	14 AWG (65x32) BC 2.58 Ω/Mft	PVC .015	None	PVC .025	.307	CL3	--	White	

Color Code	
Catalog No.	HA245A, HA246A
Primary Color Code	Black, Red, White, Green

## Keypad with Volume Controls

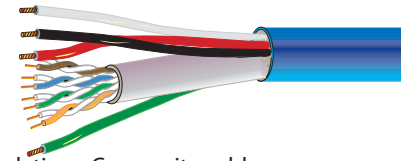
### Rating:

- NEC Type CM
- (UL) Listed
- Flame Rating: UL1685

Standard spool size 1000ft.

### Description:

- ASTM Bare Copper • PVC Insulation • Composite cable construction • 4 Pair 24 Awg. Category 5E cable + 4 conductor 16 AWG • Overall Blue PVC jacket



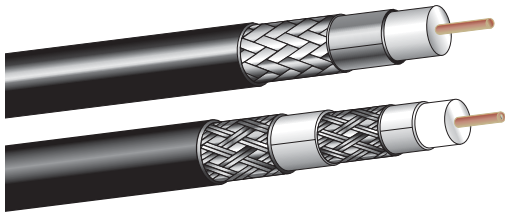
Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding	Jacket Type & Thickness		Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches				
HA1624	4 Cond.	16 AWG (65x34)	.015	None	PVC .020	.385	CM	--	14 pf/ft*	Blue
	4 Pair	24 AWG Solid	.008	None						

Color Code	
4 Cond.	1. Black, 2. Red, 3. White, 4. Green
4 Pair	1. Blue/ White-Blue, 2. Orange/ White-Orange, 3.Green/ White-Green, 4. Brown/ White-Brown

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Applications:

• CATV / MATV



Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
HQ841 Quad-Shield	CATV	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* +Al. Braid + Bifoil* + Al. Braid	PVC	.295	16.2 pf/ft	82%	75Ω	Black, White
Q841 Quad-Shield	CATV CM	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* +Al. Braid 65% + Bifoil* + Al. Braid 55%	PVC	.283	16.2 pf/ft	82%	75Ω	Black, White
6300 Quad-Shield	CATV	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE† .180	Bonded Bifoil* +Al. Braid 60% + Bifoil* + Al. Braid 40%	PVC	.295	16.2 pf/ft	82%	75Ω	Black, White
6310 Quad-Shield Outdoor	--	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE† .180	Bonded Bifoil* +Al. Braid 60% + Bifoil* + Al. Braid 40%	Sunlight Resistant PE	.295	16.2 pf/ft	82%	75Ω	Black

### CATV/MATV Accessories

See Page 70-73

### Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		5 MHz	55 MHz	100 MHz	270 MHz	400 MHz	550 MHz	750 MHz	1 GHz	1.45 GHz	1.8 GHz	2.25 GHz	3 GHz
Non-Plenum RG6/U Gas Injected PE	>23dB >21dB	.57	1.45	1.85	3.07	3.85	4.62	5.40	6.3	8.05	8.85	9.99	11.9

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

\*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

100% Sweep Tested, 0.3MHz to 3GHz

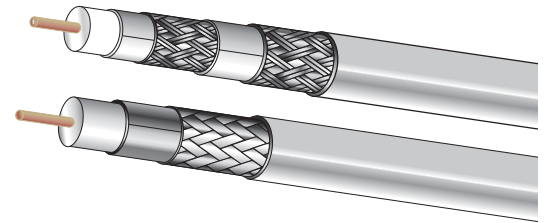
# CATV/MATV

## CATV/MATV

### RG6/U Type Plenecon® PLENUM Cables

#### Applications:

- CATV / MATV - Plenum



Standard spool size 1000ft.

#### RG6/U Plenum

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
25841	CATVP CMP	18 AWG (Solid) BC 6.5 Ω/M'	Foam FEP .170	Bifoil* 100 + Alum. Braid 77%	Flex. Plenum	.237	16.2 pf/ft	82%	75Ω	Ivory
					Connector Type	Connector	Strip Tool	Crimp/Comp Tool		
					"F" Type	CN-F56TFE	TL-7502	TL-111		
					"F" Compression	CN-F56PL2	TL-CSST	TL-SNSA		
<b>NEW</b> 256100	CATVP CMP	18 AWG CCS 28 Ω/M'	Foam FEP .170	Bifoil* 100 + Alum. Braid 60%	Flex. Plenum	.237	16.2 pf/ft	82%	75Ω	Ivory
					Connector Type	Connector	Strip Tool	Crimp/Comp Tool		
					"F" Type	CN-F56TFE	TL-7502	TL-111		
					"F" Compression	CN-F56PL2	TL-CSST	TL-SNSA		
25Q841 Quad-Shield	CATVP CMP	18 AWG (Solid) BC 6.5 Ω/M'	Foam FEP .170	Bifoil* +Al. Braid 65% + Bifoil* + Al. Braid 55%	Flex. Plenum	.273	16.2 pf/ft	82%	75Ω	Ivory
					Connector Type	Connector	Strip Tool	Crimp/Comp Tool		
					"F" Type	CN-F56ALM	TL-7502	TL-111		
					"F" Compression	CN-DB6PL2	TL-CSST	TL-CPLRBC		
<b>NEW</b> 256300 Quad-Shield	CATVP CMP	18 AWG CCS 28 Ω/M'	Foam FEP .170	Bifoil* +Al. Braid 60% + Bifoil* + Al. Braid 40%	Flex. Plenum	.250	16.2 pf/ft	82%	75Ω	Ivory
					Connector Type	Connector	Strip Tool	Crimp/Comp Tool		
					"F" Type	CN-F56ALM	TL-7502	TL-111		
					"F" Compression	CN-DB6PL2	TL-CSST	TL-CPLRBC		

#### CATV/MATV Accessories

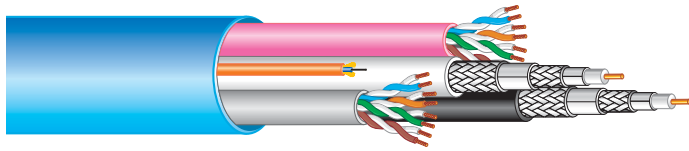
See Page 70-73

#### Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		5 MHz	55 MHz	100 MHz	270 MHz	400 MHz	550 MHz	750 MHz	1 GHz	1.45 GHz	2 GHz	2.25 GHz	3 GHz
Plenum RG6/U Foam FEP	>23dB >21dB	.45	1.6	2.0	2.9	4.5	4.9	6.6	8.0	10.3	12.6	13.36	15.42

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# STRUCTURED HOME CABLES



## HomeNetworking Composite Cable Hybrid Structured Cabling

### Applications:

Indoor for:

- Home Entertainment
- Home Structured Cabling
- TIA-EIA 570-A Residential Standard

### Description:

- RG6/U Type Coaxial Cables • 4 pair 24 Awg. Category 5E or 4 pair 24 Awg. Category 6 • 62.5/125µm Fiber Optic

### Rating:

- NEC Type CM
- (UL) Listed
- Flame Rating: UL1685

Standard spool size 1000ft.

Catalog No.	Cable Description	Overall Jacket & Cable O.D.	
		Inches	Jacket Color
HN5161 CM	1- RG6/U Quad-Shielded Coax Cable 1- 4 Pair Category 5E Cable	PVC Jkt. .525	Blue
HN5261 CM	1- RG6/U Quad-Shielded Coax Cable 2- 4 Pair Category 5E Cable	PVC Jkt. .585	Blue
HN5262 CM	2- RG6/U Quad-Shielded Coax Cable 2- 4 Pair Category 5E Cable	PVC Jkt. .620	Blue
HN5262F CM	2- RG6/U Quad-Shielded Coax Cable 2- 4 Pair Category 5E Cable 2- 62.5/125µm Multi-Mode Fiber Optic Cable	PVC Jkt. .660	Blue
LSHN5262 CM	2- RG6/U Quad-Shielded Coax Cable 2- 4 Pair Category 5E Cable	.610	Lickity Split Design
LSHN6262 CM New	2- RG6/U Quad-Shielded Coax Cable 2- 4 Pair Category 6 Cable	.620	Lickity Split Design

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Cable Specification			
Cable	RG6/U Quad-Shield	Category 5E Category 6	62.5/125µm Fiber Optic
Cable Specs.	See Pg. 66	Cat 5E - See Pg.146 Cat 6- See Pg.147	See Pg.164



## Media Control Cable Specialized Control Systems

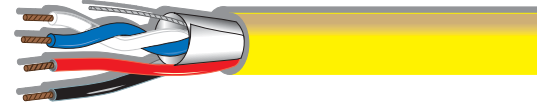
### Applications:

Indoor for:

- Home Control Systems
- Commercial Control Systems
- Sound and Audio

### Rating:

- NEC Type CMR and CMP
- (UL) C(UL) Listed or c(ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666 and NFPA 262 Smoke & Flame Test



### Description:

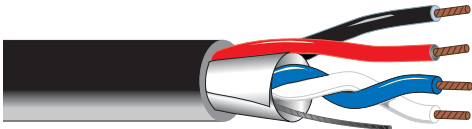
- ASTM Bare Copper • Foam Polyolefin Insulation (Data Pair), PVC (Control Pair) • Short overall twist lengths
- (Data Pair) Overall shield 100% coverage of aluminum polyester foil with drain wire, (Control Pair) Unshielded
- Overall PVC Jacket

Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
77350	4 (2 Shld)	22 AWG (7x30)	Polyolefin .025	Al. Foil- 100% drain wire	PVC .030	.255	CMR	12.5 pf/ft*	Yellow
	(2 Unshld)	18 AWG (7x26)	.010	None				22.5 pf/ft**	

\* Capacitance between conductors.

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



### Description:

- ASTM Bare Copper • Foam FEP Insulation (Data Pair), Fluoropolymer Insulation (Control Pair) • Short overall twist lengths • (Data Pair) Overall shield 100% coverage of aluminum polyester foil with drain wire, (Control Pair) Unshielded • Overall Copolymer Jacket

Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
D25350	4 (2 Shld)	22 AWG (7x30)	Foam FEP .022	Al. Foil- 100% drain wire	Flexible Polymer Alloy .015	.206	CMP	12.5 pf/ft*	Black
	(2 Unshld)	18 AWG (7x26)	Polymer Alloy .008	None				22.5 pf/ft**	

### Color Code

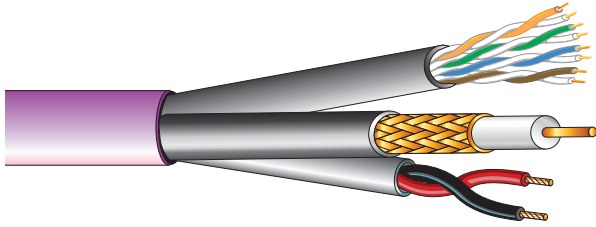
Catalog No.	77350	D25350
Primary Colors	22 Awg Pair: Blue/White 18 Awg Control: Red/Black	22 Awg Pair: Blue/White 18 Awg Control: Red/Black

## Media Control Cable Specialized Control Systems

### Applications:

#### Indoor for:

- Home Control Systems
- Commercial Control Systems
- Sound and Audio



### Rating:

- NEC Type CM
- (UL) Listed
- Flame Rating: UL1685

Standard spool size 1000ft.

Catalog No.	Cable Description	Overall Jacket & Cable O.D.	Jacket Color
		Inches	
C2415 CM	1- 77350 Media Control Cable (Yellow Jacket) + 1- 4 Pair 24 AWG Category 5E Cable (Gray Jacket)  Overall PVC Jacket	PVC Jkt.  .485	Yellow
C2425 CM	1- 77350 Media Control Cable (Yellow Jacket) + 2- 4 Pair 24 AWG Category 5E Cable (Pink and Gray Jacket)  Overall PVC Jacket	PVC Jkt.  .500	Yellow
E1854 CM	1- Control Cable ( 2 Cond 18 Awg. Unshielded) Gray Jacket + 1- 4 Pair 24 AWG Category 5E Cable (Pink Jacket) + 1- CCTV Cable -RG59/U - 20 AWG Foam Dielectric 95% Bare Copper Braid (Black Jacket) Elan Via! Cable	PVC Jkt.  .579	Violet



# HDMI VIDEO PRODUCTS

## HDMI Products

### HDMI Cables - Assemblies



#### CN-40HDMI-xx - HDMI Assembly - Economy

Replace xx with: 3,6,10,15,25,50 feet (ft)

#### CN-SHRHDMI-xxm HDMI - SUPER HIGH RESOLUTION

Replace xx with: 1,2,3,5,10,15,20,25,30,40,50,60 meters

- Supports HDMI "Deep Color" HDTV resolutions up to 1080p (12-bit)
- Supports HDMI Category 2 data rates (3.4 Gbit/sec.) lengths up to 7.5 meters
- Supports HDMI data rates up to 2.25 Gbit/sec. lengths up to 40 meters
- Supports PC data rates up to 1.65 Gbit/sec. lengths up to 60 meters
- Supports PC resolutions up to 1600x1200 / 60 Hz and 1920x1200 / 60 Hz
- Heavy-duty 22AWG copper wires for minimum insertion loss
- Ultra-low Skew guarantees unsurpassed digital fidelity
- Triple shielded for superior noise immunity
- Dual UL Ratings: UL13 (CL2) and UL758 (AWM20276)

#### CN-HDMI-DVI-xx - HDMI-DVI Assembly - Economy

Replace xx with: 6,10,15 ft.

#### CN-SHRHD-DV-xxm - HDMI - DVI-D

#### SUPER HIGH RESOLUTION

Replace xx with: 1,2,3,5,10,15,20,25,30,40,50,60 meters



- Supports HDMI with "Deep Color" HDTV resolutions up to 1080p (12-bit)
- Supports HDMI Category 2 data rates (3.4 Gbit/sec.) lengths up to 7.5 meters
- Supports HDMI data rates up to 2.25 Gbit/sec. lengths up to 40 meters
- Supports PC data rates up to 1.65 Gbit/sec. lengths up to 60 meters
- Supports PC resolutions up to 1600x1200 / 60 Hz and 1920x1200 / 60 Hz
- Heavy-duty 22AWG copper wires for minimum insertion loss
- Ultra-low Skew guarantees unsurpassed digital fidelity
- Triple shielded for superior noise immunity
- Dual UL Ratings: UL13 (CL2) and UL758 (AWM20276)
- In-Wall Rated
- RoHS compliant (green friendly)
- Gold plated connectors

