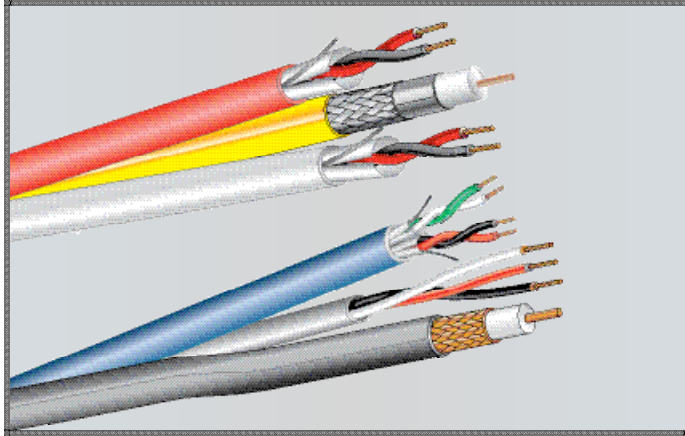


Special Application Cables



West Penn Wire offers a variety of cables that meet special needs or specific applications. Most of the Special Application Cables manufactured is the result of us listening to you, our customers. In this section you will find a variety of cables including:

- V/Cat - Video over UTP
- Access Control Composite Cables
- PTZ Cables (Pan, Tilt, Zoom)
- Audio/Video Composite Cables
- Lickity Split Designed Access Control Cables, PTZ- Pan Tilt Zoom Cables and Audio/Video Cables.

Our Lickity Split Bondled Composite Cables can be installed in a lot less time. West Penn Wire's composite Cables feature a design that eliminates the need for an overall jacket. This makes the cable easier to handle, install, identify and terminate. A specialized material that is spread out every 4-7 inches attaches these cables to each other. Also with no jacket, it helps the overall bend radius for installations.

For more detailed information on our Special Applications Cables, contact our Customer Service Department at 1-800-245-4964, or e-mail us at sales@westpenn-wpw.com. You can also get more specific information on our web-site. www.westpenn-wpw.com

Mini Index

Special Application Cables

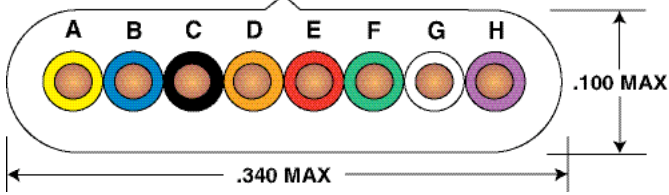
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Over 95% of West Penn Wire cables are RoHS Compliant. For a detailed specification on individual products, contact our engineering department.

Special Application Cables

WEST PENN WIRE



Description:

- ASTM Bare Copper • Plenum and Non-Plenum Construction • Unshielded Construction • UL listed for code compliance

Flat Parallel Cable-

Applications:

- Power-Limited Control Circuits

Rating:

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

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.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
WP37123	6	24 AWG Solid BC 26.1 Ω/Mft	.0065	None	.024	.090 x .250	CL2	--	Gray
WP37127	8	24 AWG Solid BC 26.1 Ω/Mft	.0065	None	.030	.100 x .340	CL2	--	Gray

Ratings:

- NEC Type CL2P
- (UL) or (ETL)us Listed
- Flame Rating: NFPA 262 Smoke & Flame Test

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D.	UL Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
WP37125	6	24 AWG Solid BC 26.1 Ω/Mft	.0065	None	.024	.090 x .250	CL2P	--	Gray
WP37129	8	24 AWG Solid BC 26.1 Ω/Mft	.0065	None	.030	.100 x .340	CL2P	--	Gray

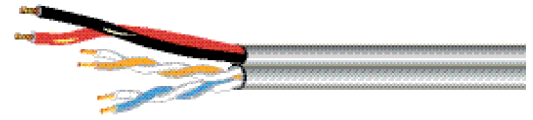
Color Code	
A	Yellow
B	Blue
C	Black
D	Orange
E	Red
F	Green
G	White
H	Violet

Special Application Cables

V-Cat- Video Over UTP Cables

2 Pair + 2 Conductors - Siamese Construction
Non-Plenum and Plenum

WEST PENN WIRE



Applications:

- Video Over UTP

Standard spool size 1000ft.

Catalog No.	NEC Type	Cable Type & Description	Dielectric Type	Jacket type	Nom. O.D.	Nom. Capacitance 2 Pair	Nom. VP 2 Pr.	Nom. Imp.Ω 2 Pair	Jacket Color
					Inches				
CC2418	CM	2 Pair 24 AWG Solid Category 5E Type UTP + 2 Cond. 18 AWG unshielded	Thermo-Plastic	PVC	.180 x .340	14 pf/ft	66%	100Ω	Gray
CC252418 Plenum	CMP	2 Pair 24 AWG Solid Category 5E Type UTP + 2 Cond. 18 AWG Unshielded	Plenum Thermo-Plastic	Plenum Thermo-plastic	.185 x .345	14 pf/ft	66%	100Ω	Gray
CC2416	CM	2 Pair 24 AWG Solid Category 5E Type UTP + 2 Cond. 16 AWG Unshielded	Thermo-Plastic	PVC	.192 x .355	14 pf/ft	69%	100Ω	Gray
CC252416 Plenum	CMP	2 Pair 24 AWG Solid Category 5E Type UTP + 2 Cond. 16 AWG Unshielded	Plenum Thermo-Plastic	Plenum Thermo-plastic	.190 x .350	14 pf/ft	69%	100Ω	Gray

Applications:

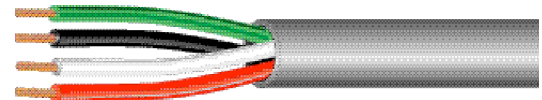
- **Pair 1** - Category 5E type 100Ω - Used for Video Transmission -Blue/White-Blue
- **Pair 2**- Category 5E type 100Ω - Used for Video Transmission or Data Transmission, such as RS-422 or RS-485 or PTZ (Pan, Tilt, Zoom Controls) -White/Orange- Orange
- **Two Conductors**- 18 or 16 Awg. Solid bare copper conductors- Used for Power to the camera- Black and Red

Burglar Wire

Non-Plenum

Rating:

- NEC Type CM **New**



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			
S221	2	22 AWG (7x30) 17 Ω/Mft	Poly-propylene .008	None	PVC .015	.102	CM	--	Gray, White
S241	4	22 AWG (7x30) 17 Ω/Mft	Poly-propylene .008	None	PVC .015	.129	CM	--	Gray, White

Color Code

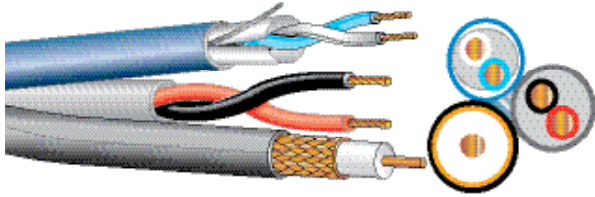
All Cables 1. Black, 2. Red, 3. White, 4. Green

Special Application Cables

WEST PENN WIRE

PTZ Security Video

Minimax & RG59/U Type Composite PTZ (Pan Tilt Zoom)



Applications:

- CCTV/ Data/ Power
- Security Baseband Video
- Flame Rating: NFPA-262 Smoke & Flame Test

Standard spool size 1000ft.

Catalog No. NEC Type	Cable Types	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D.	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
						Inches				
PTZ825	CCTV Coaxial Minimax	25 AWG (Solid) BC 30 Ω/M'	Gas Inj. PE† .085	Bare Copper Braid 95%	PVC	.146	16.2 pf/ft	82%	75Ω	Black
	Data Control Cable	1 Pair 22 AWG (7x30) TC	PP† Insulation .008	Al. Foil 100% with drain wire	PVC	.135	34 pf/ft* 67 pf/ft**	66%	55Ω	Blue
CM	Power Control Cable	1 Pair 18 AWG (7x26) BC	PVC .010	None	PVC	.155	--	--	--	Gray

PTZ825 - Nom. O.D. .375"

Catalog No. NEC Type	Cable Types	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D.	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
						Inches				
PTZ815	CCTV Coaxial RG59/U	20 AWG (Solid) BC 10.1 Ω/M'	Gas Inj. PE† .142	Bare Copper Braid 95%	PVC	.232	16.2 pf/ft	82%	75Ω	Black
	Data Control Cable	1 Pair 18 AWG (7x26) TC	PE† Insulation .018	Al. Foil 100% with drain wire	PVC	.222	24 pf/ft* 44 pf/ft**	66%	50Ω	Blue
CM	Power Control Cable	1 Pair 18 AWG (7x26) BC	PVC .010	None	PVC	.155	--	--	--	Gray

PTZ815 - Nom. O.D. .451"

Cable Types	Conductor Colors	Jacket Colors
CCTV Coaxial	--	Black
PTZ825 Data Control Cable	1.Black, 2. Red	Blue
PTZ815 Data Control Cable	1.Black, 2. Red	Blue
Power Control Cable	1. Black, 2. Red	Gray

Notes:

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

†- Gas Injected Polyethylene

100% Sweep Tested

PE- Polyethylene

PP- Polypropylene



Special Application Cables

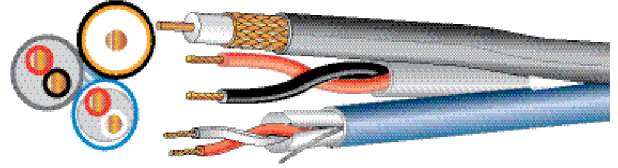
WEST PENN WIRE

PTZ Security Video

Minimax & RG59/U Type Composite PTZ (Pan Tilt Zoom) Plenum

Applications:

- CCTV/ Data/ Power
- Security Baseband Video
- Flame Rating: UL1685



Standard spool size 1000ft.

Catalog No. NEC Type	Cable Types	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
PTZ25825	CCTV Coaxial Minimax	25 AWG (Solid) BC 30 Ω/M	Foam FEP .078	Bare Copper Braid 95%	Plenum PVC	.146	16.2 pf/ft	82%	75Ω	Black
	Data Control Cable	1 Pair 22 AWG (7x30) TC	FEP .010	Al. Foil 100% with drain wire	Plenum PVC	.120	25 pf/ft* 45 pf/ft**	69%	55Ω	Blue
CMP	Power Control Cable	1 Pair 18 AWG (7x26) BC	Plenum PVC .010	None	Plenum PVC	.138	--	--	--	Gray

PTZ25825 - Nom. O.D. .342"

Catalog No. NEC Type	Cable Types	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
PTZ25815	CCTV Coaxial RG59/U	20 AWG (Solid) BC 10.1 Ω/M'	FEP .138	Bare Copper Braid 95%	Plenum PVC	.207	16.2 pf/ft	82%	75Ω	Black
	Data Control Cable	1 Pair 18 AWG (7x26) TC	FEP .010	100% Al. Foil with drain wire	Plenum PVC	.148	30 pf/ft* 54 pf/ft**	69%	45Ω	Blue
CMP	Power Control Cable	1 Pair 18 AWG (7x26) BC	Plenum PVC .010	None	Plenum PVC	.138	--	--	--	Gray

PTZ25815 - Nom. O.D. .362"

Cable Types	Conductor Colors	Jacket Colors
CCTV Coaxial	--	Black
Data Control Cable	1.Black, 2. Red	Blue
Power Control Cable	1. Black, 2. Red	Gray



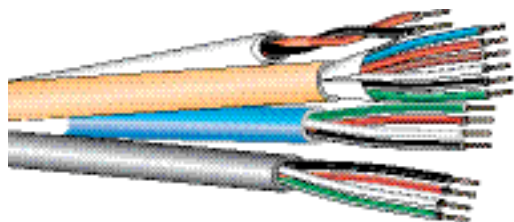
Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%
 PE- Polyethylene
 Bifoil is an aluminum polyester aluminum tape with 100% coverage
 100% Sween Tested

Special Application Cables

WEST PENN WIRE

Composite Access Control Cables



Applications:

- Access Control

Standard pool size 1000ft.

Catalog No.	Cable Types	Application	NEC Type	Nom. Jacket O.D. & Color
AC1822	2 Cond 22 AWG	Door Contact	CM	.440"
	4 Cond. 18 AWG 4 Cond. 22 AWG 6 Cond. 22 AWG Shielded	Lock Power Request to Exit Card Reader		Overall PVC Jacket Blue
LS1822	2 Cond 22 AWG	Door Contact	CM	.430"
	4 Cond. 18 AWG 4 Cond. 22 AWG 6 Cond. 22 AWG Shielded	Lock Power Request to Exit Card Reader		Unjacketed Lickity Split Bondled Cable
LS251822	2 Cond 22 AWG	Door Contact	CMP	.430"
	4 Cond. 18 AWG 4 Cond. 22 AWG 6 Cond. 22 AWG Shielded	Lock Power Request to Exit Card Reader		Unjacketed Lickity Split Bondled Cable

Cable Types	Conductor Colors	Jacket Colors
Door Contact	1. Black, 2. Red	White
Lock Power	1. Black, 2. Red, 3. White, 4. Green	Gray
Request to Exit	1. Black, 2. Red, 3. White, 4. Green	Blue
Card Reader	1. Black, 2. Red, 3. White, 4. Green 5. Brown, 6. Blue	Orange

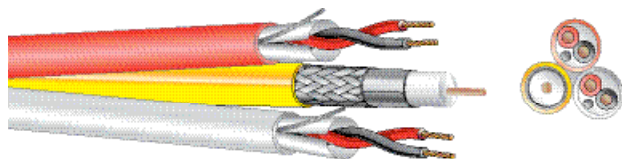


Composite Audio/ Video Cables

Applications:

- Audio and Video

Standard pool size 1000ft.



Catalog No.	Cable Types	Application	Connectors	NEC Type	Nom. Jacket O.D. & Color
LSAV	1- MiniMax SDI Coaxial Cable	Video	CN-CSRCA-25	CM	.316 "
	2- 1 Pair 22 AWG Shielded Cables	Audio	19-1207- Red 19-1268-Black		Unjacketed Lickity Split Bondled Cable
LS25AV	1- MiniMax SDI Plenum Coaxial Cable	Video	CN-CSRCA-25	CMP	.300"
	2- 1 Pair 22 AWG Shielded Cables- Plenum	Audio	19-1207- Red 19-1268-Black		Unjacketed Lickity Split Bondled Cable

Cable Types	Conductor Colors	Jacket Colors
Video Minimax SDI	--	Yellow
Audio Pair 1	1. Black, 2. Red	White
Audio Pair 2	1. Black, 2. Red	Red

