

The logo for West Penn Wire, featuring the company name in a bold, italicized, green font. The text is centered within a horizontal bar that has a green-to-white gradient.

***WEST PENN WIRE***

" EXCEEDING EXPECTATIONS WITH PERFORMANCE "

## ***Communication and Control Plenum Cable***

**Sales and Ordering Information: 1-800-245-4964**

Technical Questions: E-Mail us at [info@westpenn-cdt.com](mailto:info@westpenn-cdt.com)

Product Specification Sheets: E-Mail us at [info@westpenn-cdt.com](mailto:info@westpenn-cdt.com)

# Communication and Control Plenum Cable

## Two Conductor/Unshielded

Plenecon II<sup>®</sup> Extra Flexible



## DESCRIPTION

- ASTM bare copper
- Polymer alloy insulation
- Short overall twist lengths
- Polyester binders as required
- Flexible plenum jacket

## RATING

- NEC Type CMP
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

## APPLICATIONS

Indoor within ducts, plenums and other spaces used for environmental air for:

- Intercom systems
- Security systems
- Sound and Audio
- Background Music
- Other applications as defined in NEC Article 800 Communications Circuits

## SPECIAL NOTES

- † CL2P only. (UL) or (ETL)us defines type CMP as 26-16 Awg.
- ° Available in a variety of Colors See Tech. Reference Section (Page 201)
- FOR INSTALLATION PRECAUTIONS for plenum cable refer to the Technical Reference Section
- Select cables are available in our Easybox<sup>®</sup>

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
25221B <sup>°</sup>	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.110	2.79
25222B	2	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.125	3.18
25224B <sup>°</sup>	2	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.138	3.51
25225B <sup>°</sup>	2	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.159	4.04
25226B <sup>†</sup> <b>CL2P</b>	2	14 (19x27) 2.7 Ω/M'	.010	.25	.015	.38	.190	4.83
25227B <sup>†</sup> <b>CL2P</b>	2	12 (19x25) 1.7 Ω/M'	.010	.25	.015	.38	.221	5.61

Standard spool size 1000 feet

### Tech Tip:

✓ Plenecon II<sup>®</sup> provides a low-cost alternative to standard plenum products; the same flexible jacket with a polymer alloy insulation.



## COLOR CODE

All Cables	1. Black, 2. Red
	<b>JACKET:</b> Gray

# Communication and Control Plenum Cable

## Unshielded/Multiple Conductor



22 AWG. Plenecon II® Extra Flexible



### DESCRIPTION

- ASTM bare copper
- Polymer alloy insulation • Cabled construction
- Polyester binders as required • Flexible plenum jacket

Catalog No.	No. of Cond.	AWG Size & Stranding Non. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
<b>25231B</b> <b>NEW</b>	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.136	3.45
<b>25241B</b>	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.148	3.76
<b>25855B</b> <b>NEW</b>	5	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.162	4.11
<b>25270B</b>	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.177	4.50
<b>25271B</b>	8	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.195	4.95
<b>25272B</b>	10	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.230	5.84
<b>25273B</b>	12	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.238	6.05
<b>25274B</b> <b>NEW</b>	15	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.260	6.60

### RATING

- NEC Type CMP
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

### APPLICATIONS

Indoor within ducts, plenums and other spaces used for environmental air for:

- Intercom systems
- Security systems
- Sound and Audio
- Background Music
- Other applications as defined in NEC Article 800 Communications Circuits

### SPECIAL NOTES

- Select cables are available in our Easybox®

### COLOR CODE

All Cables

1. Black, 2. Red, 3. White, 4. Green, 5. Brown, 6. Blue 7. Orange, 8. Yellow, 9. Purple, 10. Gray, 11. Pink, 12. Tan, 13. White/Black, 14. White/Red, 15. White/Green

**JACKET:** Gray

Standard spool size 1000 feet

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# Communication and Control Plenum Cable

## Multiple Conductor/Unshielded

16, 18 and 20 AWG Plenecon II® Extra Flexible

### DESCRIPTION

- ASTM bare copper
- Polymer alloy insulation
- Cabled Construction
- Polyester binders as required
- Flexible plenum jacket



### RATING

- NEC Type CMP
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

### APPLICATIONS

Indoor within ducts, plenums and other spaces used for environmental air for:

- Pro Audio
- Intercom Systems
- Security Systems
- Sound Systems
- Background Music
- Other applications as defined in NEC Article 800 Communications Circuits

### SPECIAL NOTES

- Select cables are available in our Easybox®

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
<b>25232B</b> <b>NEW</b>	3	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.151	3.83
<b>25242B</b>	4	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.170	4.32
<b>25234B</b>	3	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.173	4.39
<b>25244B</b>	4	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.189	4.80
<b>25186B</b>	6	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.228	5.79
<b>25188B</b> <b>NEW</b>	8	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.248	6.30
<b>25245B</b> <b>NEW</b>	4	16 (19x29) 6.2 Ω/M'	.010	.25	.015	.38	.217	5.51

COLOR CODE	
All Cables	1. Black, 2. Red, 3. White, 4. Green, 5. Brown, 6. Blue, 7. Orange, 8. Yellow
	<b>JACKET: Gray</b>

Standard spool size 1000 feet

# Communication and Control Plenum Cable

## Multiple Conductor/Unshielded

14 and 12 AWG Plenecon II® Extra Flexible

**CL2P**



### DESCRIPTION

- ASTM bare copper
- Polymer alloy insulation • Cabled construction
- Polyester binders as required • Flexible plenum jacket

### RATING

- NEC Type CL2P
- (UL) or (ETL)us Listed

### APPLICATIONS

Indoor within ducts, plenums and otherspaces used for environmental air for:

- Intercom systems
- Security systems
- Sound and Audio
- Background Music

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
25236B <b>CL2P</b>	3	14 (19x27) 2.7 Ω/M	.010	.25	.015	.38	.240	6.10
25246B <b>NEW</b>	4	14 (19x27) 2.7 Ω/M	.010	.25	.015	.38	.265	6.73
25248B <b>NEW</b>	4	12 (19x25) 1.7 Ω/M'	.010	.25	.015	.38	.311	7.90

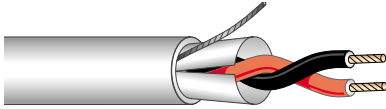
COLOR CODE	
All Cables	1. Black, 2. Red, 3. White, 4. Green,
	<b>JACKET:</b> Gray

Standard spool size 1000 feet

# Communication and Control Plenum Cable

## Two Conductor/Shielded

Plenecon II® Extra Flexible



## DESCRIPTION

- ASTM bare copper
- Polymer alloy insulation
- Twisted pair construction
- Polyester binders as required
- Overall shield coverage 100%
- Aluminum polyester foil w/ TC drain wire
- Flexible plenum jacket

## RATING

- NEC Type CMP
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

## APPLICATIONS

Indoor within ducts, plenums and other spaces used for environmental air for:

- Intercom systems
- Security systems
- Sound and Audio
- Background Music
- Other applications as defined in NEC Article 800 Communications Circuits

## SPECIAL NOTES

- † CL2P only. (UL) or (ETL)us defines type CMP as 26-16 Awg.
- ° Available in a variety of Colors See Tech. Reference Section (Page 199)
- Select cables are available in our Easybox®

Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
25290B°	1 Pair	22 Solid 17.5 Ω/M' 22 Solid Drain	.010	.25	.015	.38	.121	3.07	54	177	97	318
25291B°	1 Pair	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.128	3.25	55	180	99	325
25292B°	1 Pair	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.143	3.63	60	197	108	354
25293B°	1 Pair	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.158	4.01	68	223	122	400
25294B	1 Pair	16 (19x29) 4.2 Ω/M' 18 Strd. Drain	.010	.25	.015	.38	.180	4.57	75	246	140	459
25295B† <b>CL2P</b>	1 Pair	14 (19x27) 2.7 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.220	5.59	76	249	137	449
25296B† <b>CL2P</b>	1 Pair	12(19x25) 1.7 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.246	6.25	88	288	158	518

Standard spool size 1000 feet

### Tech Tip:

✓ Plenecon® Extra Flexible cable can save you up to 50% in installation costs compared to conduit installations in plenum areas.



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

## COLOR CODE

All Cables	1. Black, 2. Red
	<b>JACKET:</b> Gray

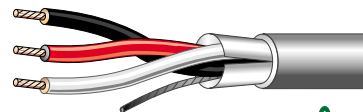
# Communication and Control Plenum Cable

## DESCRIPTION

- ASTM bare copper
- Polymer alloy insulation • Cabled construction
- Polyester binders as required • Overall shield coverage 100% aluminum polyester foil w/ TC drain wire • Flexible plenum jacket



## Multiple Conductor/Shielded Plenecon II® Extra Flexible



Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
25300B°	3	22 Solid 17.5 Ω/M' 22 Solid Drain	.010	.25	.015	.38	.133	3.38	54	177	97	318
25301B	3	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.141	3.58	55	180	99	325
253241B	4	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.153	3.88	55	180	99	325
253855B <b>NEW</b>	5	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.165	4.19	55	180	99	325
253270B	6	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.182	4.62	55	180	99	325
253271B	8	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.197	5.00	55	180	99	325
253272B <b>NEW</b>	10	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.229	5.82	55	180	99	325
253274B <b>NEW</b>	15	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.264	6.70	55	180	99	325

Standard spool size 1000 feet

\*Capacitance between conductors.

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

## RATING

- NEC Type CMP
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

## APPLICATIONS

Indoor within ducts, plenums and otherspaces used for environmental air for:

- Intercom systems
- Security systems
- Sound and Audio
- Background Music
- Other applications as defined in NEC Article 800 Communications Circuits

## SPECIAL NOTES

- ° Available in a variety of Colors See Tech. Reference Section (Page 199)
- Select cables are available in our Easybox®

## COLOR CODE

All Cables  
1. Black, 2. Red, 3. White, 4. Green, 5. Brown, 6. Blue,  
7. Orange, 8. Yellow 9. Purple, 10. Gray, 11. Pink, 12. Tan  
13. White/Black, 14. White/Red, 15. White/Green

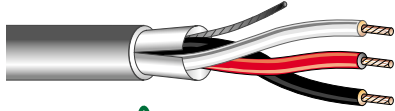
**JACKET:** Gray

**WEST PENN WIRE**

# Communication and Control Plenum Cable

## Multiple Conductor/Shielded

18 and 20 AWG Plenecon II® Extra Flexible



### DESCRIPTION

- ASTM bare copper
- Polymer alloy insulation • Cabled Construction
- Polyester binders as required • Overall shield coverage 100% aluminum polyester foil w/ TC drain wire • Flexible plenum jacket

### RATING

- NEC Type CMP
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

### APPLICATIONS

Indoor within ducts, plenums and other spaces used for environmental air for:

- Intercom systems
- Security systems
- Sound and Audio
- Background Music
- Other applications as defined in NEC Article 800 Communications Circuits

### SPECIAL NOTES

- Select cables are available in our Easybox®

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft*	pf/m*	pf/ft**	pf/m**
<b>25302B</b> <b>NEW</b>	3	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.154	3.91	60	197	108	354
<b>25303B</b>	3	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.175	4.45	68	223	122	400
<b>253244B</b>	4	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.194	4.93	68	223	122	400
<b>253186B</b>	6	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.232	5.89	68	223	122	400
<b>253188B</b> <b>NEW</b>	8	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.251	6.37	68	223	122	400

Standard spool size 1000 feet

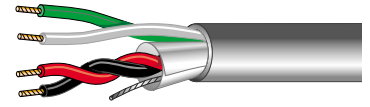
\*Capacitance between conductors.  
\*\*Capacitance between one conductor and the other connected to the shield.

# Communication and Control Plenum Cable

## Combination/Shielded and Unshielded Plenecon II® Extra Flexible

### DESCRIPTION

- ASTM bare copper • Polymer alloy insulation • Cabled construction • Polyester binders as required • Shielded component coverage 100% aluminum polyester foil with TC drain wire • Flexible plenum jacket



Catalog No.	No. of Cond. Cable Construction	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
25352B	3 2 Shld. 1 Unshld.	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.165	4.19	55	180	99	325
25355B°	4 2 Shld. 2 Unshld.	22 Solid 17.5 Ω/M' 22 Solid Drain	.010	.25	.015	.38	.153	3.89	54	177	97	318
25357B°	4 2 Shld. 2 Unshld.	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.162	4.11	55	180	99	325
25358B	3 2 Shld. 1 Unshld.	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.182	4.62	60	197	108	354
25359B	4 2 Shld. 2 Unshld.	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.186	4.72	60	197	108	354
25372B	5 3 Shld. 2 Unshld.	22 (Solid) 17.5 Ω/M' 22 Solid Drain	.010	.25	.015	.38	.208	5.28	54	177	97	318

Standard spool size 1000 feet

\*Capacitance between conductors.

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

### RATING

- NEC Type CMP
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

### APPLICATIONS

Indoor (non-conduit per NEC) within ducts, plenums and other spaces used for environmental air for:

- Pro Audio
- Intercom Systems
- Security Systems
- Sound Systems
- Background Music
- Other applications as defined in NEC Article 800 Communications Circuits

### SPECIAL NOTES

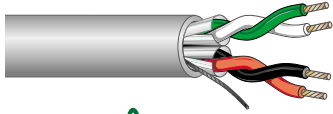
- ° Available in a variety of Colors See Tech. Reference Section (Page 199)
- Select cables are available in our Easybox®

COLOR CODE		
Catalog Number	All Cables	25372B
Primary Color Code	1. Black, 2. Red, 3. White, 4. Green	UNDER SHIELD: Black and Red. Cond.: White OUTSIDE OF SHIELD: Black and Green
<b>JACKET:</b> Gray		

# Communication and Control Plenum Cable

## Multiple Pair/Individually Shielded

Plenecon II® Extra Flexible



### DESCRIPTION

- ASTM bare copper • Polymer alloy insulation
- Twisted pair construction • Polyester binders as required
- Each pair shielded with aluminum polyester foil (see below for details)
- Flexible plenum jacket

### RATING

- NEC Type CMP
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

### APPLICATIONS

Indoor within ducts, plenums and otherspaces used for environmental air for:

- Pro Audio
- Intercom Systems
- Security Systems
- Sound Systems
- Background Music
- Other applications as defined in Article 800 Communications Circuits

### SPECIAL NOTES

- ° Available in a variety of Colors See Tech. Reference Section (Page 199).
- Select cables are available in our Easybox®

**SHIELD CONSTRUCTION:** Employs individually shielded pairs with one strd. drain common to all shields.

Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.  Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
25510B°	2	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.204	5.18	55	180	99	325
25440B	2	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.257	6.53	68	223	122	400

### COLOR CODE

25510B	1. Black, 2. Red, 3. White, 4. Green
25440B	<b>JACKET:</b> Gray

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

**SHIELD CONSTRUCTION:** Employs individually shielded pairs with drain wire in each pair

Standard spool size 1000 feet



Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.  Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
25441B <b>NEW</b>	3	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.283	7.18	68	223	122	400

### COLOR CODE

25441B	1. Black, 2. Red, 3. White, 4. Green 5. Brown, 6. Blue
	<b>JACKET:</b> Gray

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