



" 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

Product Specification Sheets: E-Mail us at info@westpenn-cdt.com

Communication and Control Plenum Cable

Two Conductor/Unshielded

Plenecon II® 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®

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°	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°	2	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.138	3.51
25225B°	2	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.159	4.04
25226B†° CL2P	2	14 (19x27) 2.7 Ω/M'	.010	.25	.015	.38	.190	4.83
25227B†° CL2P	2	12 (19x25) 1.7 Ω/M'	.010	.25	.015	.38	.221	5.61

Standard spool size 1000 feet

Tech Tip:

- ✓ **Plenecon II®** 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
	JACKET: Gray

WEST PENN WIRE

Communication and Control Plenum Cable

DESCRIPTION

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



Unshielded/**Multiple Conductor**
22 AWG. Plenecon II® Extra Flexible



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
25231B NEW	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.136	3.45
25241B	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.148	3.76
25855B NEW	5	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.162	4.11
25270B	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.177	4.50
25271B	8	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.195	4.95
25272B	10	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.230	5.84
25273B	12	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.238	6.05
25274B NEW	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

WEST PENN WIRE

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
25232B NEW	3	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.151	3.83
25242B	4	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.170	4.32
25234B	3	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.173	4.39
25244B	4	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.189	4.80
25186B	6	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.228	5.79
25188B NEW	8	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.248	6.30
25245B NEW	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
	JACKET: Gray

Standard spool size 1000 feet

Communication and Control Plenum Cable

DESCRIPTION

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

CL2P

Multiple Conductor/Unshielded

14 and 12 AWG Plenecon II® Extra Flexible



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 CL2P	3	14 (19x27) 2.7 Ω/M	.010	.25	.015	.38	.240	6.10
25246B NEW	4	14 (19x27) 2.7 Ω/M	.010	.25	.015	.38	.265	6.73
25248B NEW	4	12 (19x25) 1.7 Ω/M'	.010	.25	.015	.38	.311	7.90

COLOR CODE

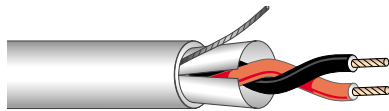
All Cables	1. Black, 2. Red, 3. White, 4. Green,
	JACKET: Gray

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‡ CL2P	1 Pair	14 (19x27) 2.7 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.220	5.59	76	249	137	449
25296B‡ CL2P	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
	JACKET: Gray

WEST PENN WIRE

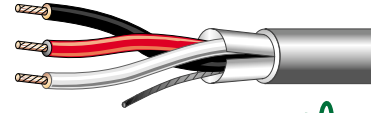
Communication and Control Plenum Cable

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 NEW	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 NEW	10	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.229	5.82	55	180	99	325
253274B NEW	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

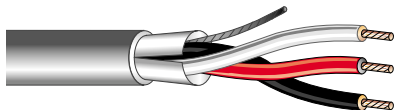
JACKET: Gray

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 **
25302B NEW	3	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.154	3.91	60	197	108	354
25303B	3	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.175	4.45	68	223	122	400
253244B	4	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.194	4.93	68	223	122	400
253186B	6	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.232	5.89	68	223	122	400
253188B NEW	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.

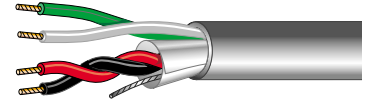
Communication and Control Plenum Cable

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



Combination/Shielded and Unshielded
Plenecon II® Extra Flexible



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®

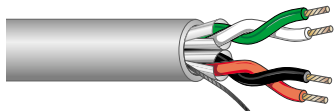
COLOR CODE		
Catalog Number	All Cables	25372B
Primary Color Code	1. Black, 2. Red, 3. White, 4. Green	UNDER SHIELD: Black and Red. Cond.: White OUTSIDE OF SHIELD: Black and Green
	JACKET: Gray	

WEST PENN WIRE

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

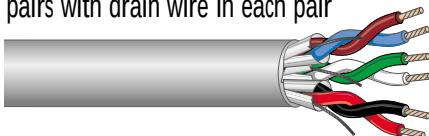
25510B	1. Black, 2. Red, 3. White, 4. Green
25440B	JACKET: Gray

*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 NEW	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
	JACKET: Gray

*Capacitance between conductors.

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

WEST PENN WIRE