

AUDIO CABLES



- A** 3.5mm - Stereo Mini Jack or Plug
Application: Audio from computer to output - Line Level Small Size
- B** 1/4" - Phone Jack or Plug
Application: Microphone inputs - Nurse Call Systems
- C** XLR- 3 Pin Cannon "X" Series Latched Rubber Connector
Application: Most common audio connector used in Professional, Commercial and music. Line level balanced audio signalling
- D** RCA- Phono - Audio Style
Application: L/R stereo audio
- E** SPEAKON - Locking Analog Audio Speaker Connector - Neutrik Branded
- F** Binding Post (Banana Plugs) - Single Conductor Audio Connector



PRODUCT INDEX: LINE LEVEL AUDIO

- Professional Line Level CMR2
- Conformable Professional Rack Cable CMR.....2
- Professional Line Level CMP3
- Professional Line Level Dual CMR3
- Broadcast Quality CMR4
- Broadcast Quality CMP5
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Part Number Builder			
Catalog Number	Color	Put Up Length	Order Part Number
454	BK	1000	454BK1000

PRODUCT INDEX: SPEAKER LEVEL 15-26

PRODUCT INDEX: INTERCOM 27-32

BULK CABLES: Professional Line-Mic Level



Broadcast Audio Miniature Audio / 22 Awg. Shielded

Description:

- ASTM Tinned Copper • Polypropylene insulation
- Overall shield 100% coverage of aluminum polyester foil with drain wire • Twisted pair construction
- Overall Flex PVC jacket

Rating:

- NEC Type CMR
- (UL) - C(UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666

Applications:

- Indoor for:
- Audio Circuits
 - Low Voltage Power
 - Line Level Audio
 - Audio Rack Cabling
 - Division 27 41 00
 - Division 27 51 00

COMMERCIAL/ PROFESSIONAL GRADE

Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shield & % Coverage Drain Wire	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches			
454	1 pair	22 AWG (7x30) 17 Ω/Mft	PP .008	Al. Foil 100% 22 Strd.	PVC .020	.135	CMR	34pf/ft* 67pf/ft**	See Color Code Chart
<p>The Aluminum polyester shield is bonded to the jacket so both can be removed with automatic stripping equipment</p>									

	Jacket Color		Jacket Color
	Brown		Violet
	Red		Gray
	Orange		White
	Yellow		Black
	Green		Tan
	Blue		Pink

GRAY, BLACK AND WHITE ARE STANDARD STOCKED ITEMS.

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

BELDEN **WPW**
9451 454

Broadcast Audio Miniature Conformable Rack Cable / shielded

Applications:

- Indoor for:
- Audio Circuits
 - Low Voltage Power
 - Line Level Audio
 - Audio Rack Cabling
 - Division 27 41 00
 - Division 27 51 00



Description:

- ASTM Overcoat Tinned Copper • Polypropylene insulation
- Overall shield 100% coverage of aluminum polyester foil with drain wire • Twisted pair construction
- Overall PVC jacket - Black

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shield & % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches			
455*	1 pair	Overcoat 22 AWG (7x30) 17 Ω/Mft	PP .008	Al. Foil 100% 22 Strd. drain	PVC .020	.138	CMR	34pf/ft* 67pf/ft**	Black

* Some West Penn Wire items are subject to manufacturing minimums.

BULK CABLES: Professional Line-Mic Level



**Broadcast Audio - Plenecon II® Extra Flex
Miniature Audio / 22 Awg. Shielded Plenum**



Rating:

- NEC Type CMP
- (UL) - C(UL) Listed
- Meets 300 Volt
- Flame Rating: NFPA-262 Smoke & Flame Test

Description:

- ASTM Tinned Copper • FEP Insulation • Overall shield 100% coverage of aluminum polyester foil with drain wire • Twisted Pair Construction • Overall Flexible Plenum Jacket

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding & % Coverage Drain Wire	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches Flex Plenum				
D25454	1 pair	22 AWG (7x30) 17 Ω/Mft	FEP .007	Al. Foil 100% 22 Strd.	.130 .018	CMP	35pf/ft* 67pf/ft**	●	BLACK
The Aluminum polyester shield is bonded to the jacket so both can be removed with automatic stripping equipment									

Special Notes:

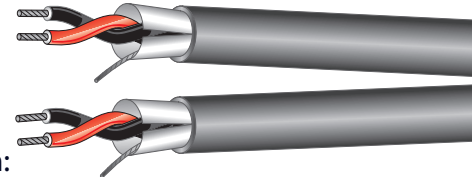
- The drain wire on these products are on the inside of the foil shield
- Minimum order quantities may apply on select jacket colors.

Color Code	
D25454	1. Black, 2. Red
JACKET: Black, Red, Gray, White	

BELDEN
9451P

WPW
D25454

**Broadcast Audio
Miniature Dual Audio / shielded**



Applications:

- Indoor for:
- Audio Circuits
 - Low Voltage Power
 - Line Level Audio
 - Audio Rack Cabling
 - Division 27 41 00
 - Division 27 51 00

BELDEN
9451D

WPW
210454

Standard spool size 1000ft.

Description:

- ASTM Tinned Copper • Polypropylene insulation
- Each Pair shield 100% coverage of aluminum polyester foil with 22 AWG TC drain wire • Figure 8 ZIP CONSTRUCTION • Twisted pair construction
- Overall PVC jacket

Rating:

- NEC Type CMR
- (UL) - C(UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1685

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shield & % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
210454*	2 pair	22 AWG (7x30) 17 Ω/Mft	PP .008	Each Pair Al. Foil 100% 22 Strd. drain	PVC .020	.135 x .280	CMR	34pf/ft* 67pf/ft**	● Gray

Color Code	
210454	1. Black, Red 2. Black, White
JACKET: Gray	

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

Special Notes:

- The Aluminum polyester foil is bonded to the jacket- 210454 only
- 210454 Overall jacket is Gray with one channel imprinted for identification
- Some West Penn Wire items are subject to manufacturing minimums.

BULK CABLES: Broadcast Line-Mic Level



Professional Audio Twisted Pair / Overall Shielded

Description:

- ASTM Tinned Copper • Polyethylene or Polypropylene insulation
- Overall shield 100% coverage of aluminum polyester foil with drain wire • Twisted pair construction • Overall PVC jacket

Rating:

- NEC Type CM or CL2
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1685

Applications:

- Indoor for:
- Audio Circuits
 - Low Voltage Power
 - Line Level Audio
 - Audio Rack Cabling
 - Division 27 41 00
 - Division 27 51 00

BROADCAST QUALITY

Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shield & % Coverage Drain Wire	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches			
77291	1 Pair	22 AWG (7x30) 17 Ω/Mft	PE .016	Al. Foil 100% 22 Strd.	PVC .025	.175	CM	24pf/ft* 47pf/ft**	Gray
77292	1 Pair	20 AWG (7x28) 10.5 Ω/Mft	PE .016	Al. Foil 100% 20 Strd.	PVC .028	.204	CM	27pf/ft* 49pf/ft**	Gray
77293	1 Pair	18 AWG (16x30) 6.2 Ω/Mft	PE .018	100% Al. Foil 20 Strd.	PVC .028	.222	CM	24pf/ft* 44pf/ft**	Gray
77294	1 Pair	16 AWG (19x29) 4.2 Ω/Mft	PE .032	Al. Foil 100% 18 Strd.	PVC .032	.315	CL2	23pf/ft* 44pf/ft**	Gray
77295	1 Pair	14 AWG (19x27) 2.7 Ω/Mft	PE .032	Al. Foil 100% 16 Strd.	PVC .035	.355	CL2	24pf/ft* 47pf/ft**	Gray
77510†	2 Pair	22 AWG (7x30) 17 Ω/Mft	PP .008	Ind. Shielded Al. Foil 100% with 1 drain wire	PVC .020	.189	CM	35pf/ft* 62pf/ft**	Gray

Notes:
† - Employs individually shielded pairs with one drain wire common to all shields.

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

Special Notes:

- PE- Polyethylene
- PP- Polypropylene

BELDEN	WPW
8761	77291
8762	77292
8760	77293
8723	77510

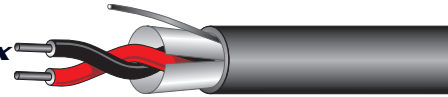
Color Code		
Catalog No.	77291, 77292, 77293, 77294, 77295	77510
Primary Color Code	1. Black, 2. Clear	1. Black-Red, 2. White-Green
	JACKET: Gray	JACKET: Gray

- 500ft. Lengths may be available upon request. Minimum quantities apply.
- Custom colored jackets may be available. Minimum quantities apply.
- * Some West Penn Wire items are subject to manufacturing minimums.

BULK CABLES: Broadcast Line-Mic Level



Professional Audio Plenum Cable Twisted Pair / Overall Shielded - Plenecon II® Extra Flex



Applications:

- Indoor for: Plenum Spaces
- Audio Circuits
- Low Voltage Power
- Line Level Audio
- Audio Rack Cabling
- Division 27 41 00
- Division 27 51 00

BROADCAST QUALITY

Description:

- ASTM Tinned Copper • Teflon insulation • Overall shield
- 100% coverage of aluminum polyester foil with drain wire
- Twisted Pair Construction • Flexible plenum jacket

Rating:

- NEC Type CMP
- (UL)-C(UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: NFPA-262 Smoke & Flame Test

Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shield & Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
D25291	1 Pair	22 AWG (7x30) 17 Ω/Mft	Teflon .010	Al. Foil 100% 24 Strd.	Flexible Plenum .017	.134	CMP	25 pf/ft* 45 pf/ft **	Gray
D25292	1 Pair	20 AWG (7x28) 10.5 Ω/Mft	Teflon .010	Al. Foil 100% 22 Strd.	Flexible Plenum .017	.148	CMP	27 pf/ft* 49 pf/ft **	Gray
D25293	1 Pair	18 AWG (7x26) 6.6 Ω/Mft	Teflon .010	Al. Foil 100% 22 Strd.	Flexible Plenum .017	.168	CMP	30 pf/ft* 54 pf/ft **	Gray
D25294*	1 Pair	16 AWG (19x29) 4.4 Ω/Mft	Teflon .010	Al. Foil 100% 22 Strd.	Flexible Plenum .017	.188	CMP	36 pf/ft* 65 pf/ft **	Gray

Color Code	
Pair No.	Colors
1	Black/ Red
JACKET: Gray	

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

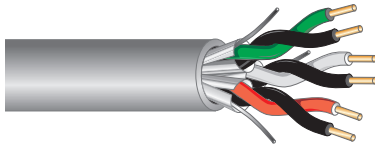
BELDEN	WPW
82761	D25291
82760	D25293

Special Notes:

- Teflon®- Dupont Tradename for FEP-Fluorinated Ethylene Propylene
- 500ft. Lengths may be available upon request. Minimum quantities apply.
- Custom colored jackets may be available. Minimum quantities apply.
- * Some West Penn Wire items are subject to manufacturing minimums.

Electrical Characteristics
Nom. Vel of Propagation - 69%
Nom. Impedance Ω D25291 - 55Ω
Nom. Impedance Ω D25292 - 50Ω
Nom. Impedance Ω D25293 - 45Ω
Nom. Impedance Ω D25294 - 40Ω

Part Number Builder			
Catalog Number	Color	Put Up Length	Order Part Number
D25292	GY	1000	D25291GY1000

BULK CABLES: Professional Multi-Channel
Communication & Control Cable
Multiple Pair 22AWG / Each Pair Shielded
Description:

- ASTM Tinned Copper • Polyolefin insulation • Each pair shielded 100% coverage of aluminum polyester foil with 24 AWG Strd. TC drain wire • Short overall twist construction • Overall PVC jacket

Rating:

- NEC Type CM
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1685

Applications:

- Indoor for:
- Audio Circuits
 - Low Voltage Power
 - Line Level Audio
 - Line Level Snake
 - Division 27 41 00
 - Division 27 51 00

Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Ind. Pair Shielding % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
D430	2	22 AWG (7x30) 17 Ω/Mft	Polyolefin .006	Each Pair Al. Foil 100%	PVC .025	.235	CM	34pf/ft* 67 pf/ft**	Gray
D431	3	22 AWG (7x30) 17 Ω/Mft	Polyolefin .006	Each Pair Al. Foil 100%	PVC .025	.258	CM	34pf/ft* 67 pf/ft**	Gray
D439	4	22 AWG (7x30) 17 Ω/Mft	Polyolefin .006	Each Pair Al. Foil 100%	PVC .025	.280	CM	34pf/ft* 67 pf/ft**	Gray
D432	6	22 AWG (7x30) 17 Ω/Mft	Polyolefin .006	Each Pair Al. Foil 100%	PVC .025	.332	CM	34pf/ft* 67 pf/ft**	Gray
D433	9	22 AWG (7x30) 17 Ω/Mft	Polyolefin .006	Each Pair Al. Foil 100%	PVC .034	.390	CM	34pf/ft* 67 pf/ft**	Gray
D434	12	22 AWG (7x30) 17 Ω/Mft	Polyolefin .006	Each Pair Al. Foil 100%	PVC .034	.420	CM	34pf/ft* 67 pf/ft**	Gray
D436	19	22 AWG (7x30) 17 Ω/Mft	Polyolefin .006	Each Pair Al. Foil 100%	PVC .047	.565	CM	34pf/ft* 67 pf/ft**	Gray
D438	27	22 AWG (7x30) 17 Ω/Mft	Polyolefin .006	Each Pair Al. Foil 100%	PVC .047	.678	CM	34pf/ft* 67 pf/ft**	Gray

Special Notes:

- Selected Indoor/Outdoor Aquaseal Water Resistant* Versions available - See Aquaseal Section or Pg.9
- Cables are packaged in our Advantage Box. Larger AWG sized cables and Higher Paired cables may be on a reel.
- Orange Rip Cord

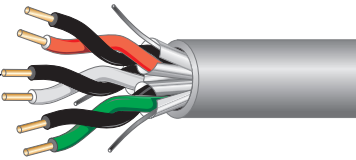
Electrical Characteristics
 Nom. Vel of Propagation - 66%
 Nom. Impedance Ω 22 Awg.(7x30)- 55Ω

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

BULK CABLES: Professional Multi-Channel



Professional Audio Plenum Cable Multiple Pair / Individually Shielded - Plenecon II® Extra Flex



Applications:

- Indoor for: Plenum Spaces
- Audio Circuits
- Low Voltage Power
- Line Level Audio
- Line Level Snake
- Division 27 41 00
- Division 27 51 00

Description:

- ASTM Tinned Copper • Teflon insulation
- Each pair shielded 100% coverage of aluminum foil with 24 AWG Strd. drain wire
- Twisted pair construction • Flexible plenum jacket

Rating:

- NEC Type CMP
- (UL)-C(UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: NFPA-262 Smoke & Flame Test

Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shield & Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
D25430	2	22 AWG (7x30) 17 Ω/Mft	Teflon .010	Each Pair Al. Foil 100%	Flex Plenum .017	.218	CMP	25 pf/ft* 45 pf/ft**	Gray
D25431	3	22AWG (7x30) 17 Ω/Mft	Teflon .010	Each Pair Al. Foil 100%	Flex Plenum .017	.232	CMP	25 pf/ft* 45 pf/ft**	Gray
D25439	4	22 AWG (7x30) 17 Ω/Mft	Teflon .010	Each Pair Al. Foil 100%	Flex Plenum .017	.256	CMP	25 pf/ft* 45 pf/ft**	Gray
D25432*	6	22 AWG (7x30) 17 Ω/Mft	Teflon .010	Each Pair Al. Foil 100%	Flex Plenum .017	.304	CMP	25 pf/ft* 45 pf/ft**	Gray
D25510‡	2	22 AWG (7x30) 17 Ω/Mft	Teflon .010	Each Pair Al. Foil 100%	Flex Plenum .017	.214	CMP	25 pf/ft* 45 pf/ft**	Gray

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

Special Notes:

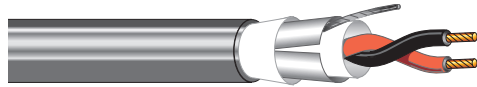
- ‡ Employs individually shielded pairs plus overall shield with one 24 AWG drain wire common to all shields to ensure greater shielding and lower DC resistance.
- Select cables are available in our Advantage Box.
- 500ft. Lengths may be available upon request. Minimum quantities apply.
- Custom colored jackets may be available. Minimum quantities apply.
- * Some West Penn Wire items are subject to manufacturing minimums.

Electrical Characteristics Nom. Vel of Propagation - 69% Nom. Impedance Ω 22 Awg.(7x30)- 55Ω
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Color Code

D25510		All Others	
Pair No.	Colors	Pair No.	Colors
1	Black/Red	1	Black/Red
2	White/Green	2	Black/White
		3	Black/Green
		4	Black/Blue
		5	Black/Yellow
		6	Black/Brown
JACKET: Gray			

BULK CABLES: Indoor/Outdoor Line Level



**Aquaseal® Water Blocking Cable
1 Pair / Shielded**

Description:

- ASTM Bare Copper • PVC insulation • Short overall twist lengths
- Overall shield 100% coverage of aluminum polyester foil with drain wire • Waterblocked construction • Overall Sunlight/ Moisture Resistant PVC jacket

Rating:

- NEC Type CM or CL3
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1685



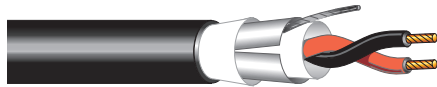
Underground- In-Conduit

Applications:

- Indoor/ Outdoor for:
- Audio Circuits
 - Low Voltage Power
 - Line Level Audio
 - Audio Rack Cabling
 - Division 28 05 13.23
 - Division 27 41 00
 - Division 27 51 00

Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Ind. Pair Shielding % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
AQC290	1 Pair	22 AWG Solid 17.5 Ω/Mft	PVC .008	Al. Foil-100% 22 Solid	PVC .025	.200	CM CL3	54 pf/ft* 97 pf/ft**	Gray
AQC291	1 Pair	22 AWG (7x30) 17 Ω/Mft	PVC .007	Al. Foil-100% 24 Strd.	PVC .025	.205	CM CL3	55 pf/ft* 99 pf/ft**	Gray
AQC292	1 Pair	20 AWG (7x28) 10.5 Ω/Mft	PVC .008	Al. Foil-100% 24 Strd.	PVC .025	.220	CM CL3	60 pf/ft* 108 pf/ft**	Gray
AQC293	1 Pair	18 AWG (7x26) 6.2 Ω/Mft	PVC .010	Al. Foil-100% 24 Strd.	PVC .025	.257	CM/CL3 FPL	39 pf/ft* 70 pf/ft**	Gray



Description:

- ASTM Bare Copper • PVC insulation with Nylon • Twisted pair or cabled construction • Overall shield 100% coverage of aluminum polyester foil with drain wire • Waterblocked Construction
- Overall Sunlight/ Moisture Resistant PVC jacket



Underground - Direct Burial

Rating:

- NEC Type FPL or PLTC or CL3
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Direct Burial
- Flame Rating: UL1685

Standard spool size 1000ft.

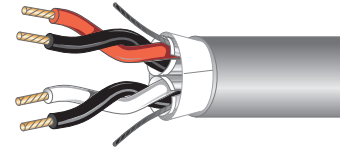
Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Ind. Pair Shielding % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
AQ293	1 Pair	18 AWG (7x26) 6.2Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.310	CL3/FPL PLTC	32 pf/ft* 58 pf/ft**	Black
AQ294	1 Pair	16 AWG (7x24) 4.2Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.328	CL3/FPL PLTC	37 pf/ft* 67 pf/ft**	Black
AQ295	1 Pair	14 AWG (19x27) 2.7Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.350	CL3/FPL PLTC	46 pf/ft* 83 pf/ft**	Black
AQ296	1 Pair	12 AWG (19x25) 1.7Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.375	CL3/FPL PLTC	54 pf/ft* 97 pf/ft**	Black

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

BULK CABLES: Indoor/Outdoor Multi-Channel



**Aquaseal® Water Blocking Cable
Multiple Pair / Each Pair Individually Shielded**



Applications:

- Indoor / Outdoor for:
- Audio Circuits
- Low Voltage Power
- Line Level Audio
- Line Level Snake
- Division 28 05 13.23
- Division 27 41 00
- Division 27 51 00



Underground- In-Conduit

Description:

- ASTM Bare Copper • PVC insulation • Short overall twist lengths
- Individually shield 100% coverage of aluminum polyester foil with TC drain wire • Waterblocked construction • Overall Sunlight/ Moisture Resistant PVC jacket

Rating:

- NEC Type CM or CL3
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1685

Standard spool size 1000ft.

Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Ind. Pair Shielding % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
AQC430	2	22 AWG (7x30) 17 Ω/Mft	PVC .007	Al. Foil-100% 24 Strd.	PVC .025	.380	CM CL3	55 pf/ft* 99 pf/ft**	Gray
AQC439	4	22 AWG (7x30) 17 Ω/Mft	PVC .007	Al. Foil-100% 24 Strd.	PVC .025	.427	CM CL3	55 pf/ft* 99 pf/ft**	Gray
AQC432	6	22 AWG (7x30) 17 Ω/Mft	PVC .007	Al. Foil-100% 24 Strd.	PVC .025	.520	CM CL3	55 pf/ft* 99 pf/ft**	Gray
AQC434	12	22 AWG (7x30) 17 Ω/Mft	PVC .007	Al. Foil-100% 24 Strd.	PVC .025	.698	CM CL3	55 pf/ft* 99 pf/ft**	Gray

Color Code	
Colors	Colors
1. Black/Red-Red	8. Red/White-White
2. Black/White-White	9. Red/Green-Green
3. Black/Green-Green	10. Red/Blue-Blue
4. Black/Blue-Blue	11. Red/Yellow-Yellow
5. Black/Yellow-Yellow	12. Red/Brown-Brown
6. Black/Brown-Brown	
7. Black/Orange-Orange	
JACKET: Gray	

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

Special Notes:

- Aquaseal Water Resistant Cables is a Registered Trademark of West Penn Wire
- Orange ripcord under jacket

BULK CABLES: AES/EBU Digital Audio



Broadcast Audio AES/EBU Digital Audio Cable Applications:

Description:

- ASTM Tinned Copper • Low Loss Foam insulation • Individually shielded 100% coverage of aluminum polyester foil with 24 AWG Strd. drain wire • DA2401 shield is bonded to the jacket for ease of stripping
- Twisted pair construction • Overall jacket

Rating:

- NEC Type CM
- (UL) Listed
- Meets 300V requirements as specified in the NEC

Indoor for:

- Audio Circuits
- Low Voltage Power
- Line Level Audio
- Audio Rack Cabling
- Division 27 41 00
- Division 27 51 00
- Digital Audio Broadcast

Standard pool size 1000ft.

Non-Plenum - Individually Shielded Pairs + PVC Jacket									
Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Ind. Pair Shielding % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
DA2401	1 Pair	24 AWG (7x32) 26 Ω/Mft	Foam PE .020	Each Pair & Overall Al. Foil 100%	PVC .030	.182	CM	12.5pf/ft* 22.5pf/ft **	Gray
DA2402	2 Pair	24 AWG (7x32) 26 Ω/Mft	Foam PE .020	Each Pair & Overall Al. Foil 100%	PVC .030	.298	CM	12.5pf/ft* 22.5pf/ft **	Gray
DA2406*	6 Pair	24 AWG (7x32) 26 Ω/Mft	Foam PE .020	Each Pair & Overall Al. Foil 100%	PVC .045	.439	CM	12.5pf/ft* 22.5pf/ft **	Gray

Broadcast Audio AES/EBU Digital Audio Cable - Plenum

Plenecon II® Extra Flex

Description:

- ASTM Tinned Copper • Low Loss Foam insulation • Individually shielded 100% coverage of aluminum polyester foil with 24 AWG Strd. drain wire • Twisted pair construction • Overall flexible plenum jacket

Plenum - Individually Shielded Pairs + Flexible Plenum Jacket									
Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Ind. Pair Shielding % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
DA252401	1 Pair	24 AWG (7x32) 26 Ω/Mft	Foam FEP .020	Each Pair & Overall Al. Foil 100%	Flex Plenum .018	.141	CMP	12.5pf/ft* 22.5pf/ft **	Gray, Violet
DA252402	2 Pair	24 AWG (7x32) 26 Ω/Mft	Foam FEP .020	Each Pair & Overall Al. Foil 100%	Flex Plenum .018	.238	CMP	12.5pf/ft* 22.5pf/ft **	Gray
DA252406*	6 Pair	24 AWG (7x32) 26 Ω/Mft	Foam FEP .020	Each Pair & Overall Al. Foil 100%	PVDF .010	.350	CMP	12.5pf/ft* 22.5pf/ft **	Gray

Color Code			
Pair Colors			
Pair 1	Black/Red	Pair 4	Black/Blue
Pair 2	Black/White	Pair 5	Black/Yellow
Pair 3	Black/Green	Pair 6	Black/Brown
Jacket: Gray			

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

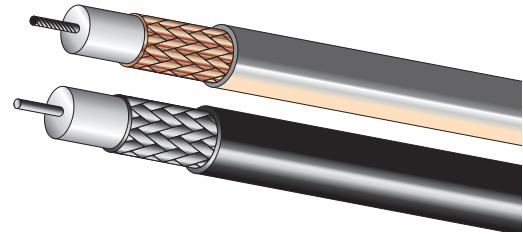
Electrical Characteristics
Nom. Vel of Propagation - 78%
Nom. Impedance Ω - 110Ω

BULK CABLES: Wireless Mic Coaxial Cables



RF Transmission 50 Ohm Coaxial

RG58/U - RG58A/U - RG8/U - RG8x/U Type



Applications:

- RF Transmission
- Broadcast Transmission
- Wireless Communication

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness		Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
			Inches								
812 RG58A/U Type	CM	20 (19x32) Tinned Copper 8.8 Ω/M'	Gas Injected PE+	.116	100% Bi-foil AL. +95% Tinned Cu Braid	PVC	.195	25 pf/ft	78%	50Ω	Black
						See connector listings					
813 RG-58/U Type	CM	20 (Solid) Tinned Copper 10.1 Ω/M'	Gas Injected PE+	.116	Tinned Copper Braid 95%	PVC	.195	26 pf/ft	78%	50Ω	Black
						See connector listings					
25812 RG-58/U Type Plenum	CMP	20 (19x32) Tinned Copper 8.8 Ω/M'	Foam FEP	.102	100% Bi-foil AL. +95% Tinned Cu Braid	Flex Plenum	.158	25 pf/ft	82%	50Ω	Ivory
						See connector listings					
810 RG-213/U Type	CM	12 (7x20) Bare Copper 1.9 Ω/M'	Gas Injected PE+	.280	Bare Copper Braid 95%	PVC	.405	26 pf/ft	80%	50Ω	Black
						See connector listings					
25810 RG-213/U Type Plenum	CMP	12 (7x20) Bare Copper 1.9 Ω/M'	Foam FEP	.280	Bare Copper Braid 95%	Copolymer	.352	25 pf/ft	80%	50Ω	Natural
						See connector listings					
98G8* RG-8/U Type	CM	10AWG Solid Bare Copper .9 Ω/M'	Gas Injected PE+	.286	100% Bonded Bi-foil AL. + 90% Tinned Cu Braid	PVC	.405	24.5 pf/ft	84%	50Ω	Black
						See connector listings					
2598G8* RG-8/U Type Plenum	CMP	10AWG Solid Bare Copper .9 Ω/M'	Foam FEP	.280	100% Bonded Bi-foil AL. + 90% Tinned Cu Braid	Copolymer	.360	25 pf/ft	80%	50Ω	Black
						See connector listings					
807X RG-8X/U Type Flexible	CM	16 (19x29) Bare Copper 4.3 Ω/M'	Gas Injected PE+	.155	100% Bonded Bi-foil AL. + 90% Tinned Cu Braid	PVC	.242	25 pf/ft	82%	50Ω	Black
						See connector listings					

Connectors see page 87

Special Note:
* Some West Penn Wire items are subject to manufacturing minimums.



CABLE ACCESSORIES: Line-Mic Level Connectors **WEST PENN WIRE**

Audio Connectors

Line Level Audio Connectors- Cable Mount XLR - 3.5mm - RCA Phono - 1/4"

3 PIN XLR Style Connectors- Cable Mount	
Catalog No.	Description
CN-NC3MXB	3 Position XLR Male Black-Gold Contact
CN-NC3MXBAG	3 Position XLR Male Black-Nickel Contact
CN-NC3MX	3 Position XLR Male Nickel-Nickel Contact
CN-NC3FXB	3 Position XLR Female Black-Gold Contact
CN-NC3FXBAG	3 Position XLR Female Black-Nickel Contact
CN-NC3FX	3 Position XLR Female Nickel-Nickel Contact
44-A3F	3 Position XLR Jack
44-A3M	3 Position XLR Plug



Neutrik Branded



Switchcraft Branded

4 PIN XLR Style Connectors- Cable Mount	
Catalog No.	Description
CN-NC4MXB	4 Position XLR Male Black-Gold Contact
CN-NC4MXBAG	4 Position XLR Male Black-Nickel Contact
CN-NC4MX	4 Position XLR Male Nickel-Nickel Contact
CN-NC4FXB	4 Position XLR Female Black-Gold Contact
CN-NC4FXBAG	4 Position XLR Female Black-Nickel Contact
CN-NC4FX	4 Position XLR Female Nickel-Nickel Contact

5 PIN XLR Style Connectors- Cable Mount	
Catalog No.	Description
CN-NC5MXB	5 Position XLR Male Black-Gold Contact
CN-NC5MXBAG	5 Position XLR Male Black-Nickel Contact
CN-NC5MX	5 Position XLR Male Nickel-Nickel Contact
CN-NC5FXB	5 Position XLR Female Black-Gold Contact
CN-NC5FXBAG	5 Position XLR Female Black-Nickel Contact
CN-NC5FX	5 Position XLR Female Nickel-Nickel Contact

3.5mm Stereo Mini Audio Connectors	
Catalog No.	Description
19-1202	Stereo Mini Plug
CN-SM3.5F	3.5 Stereo Mini Jack
CN-NYS231B	3.5mm Mini Plug- Black/Nickel
CN-NYS231	3.5mm Mini Plug Nickel/Nickel
CN-MX35M	3.5mm Mini Plug- Terminal Block
19-1201	3.5 mm Mini Mono Plug



CN-NYS231

RCA Audio Connectors	
Catalog No.	Description
19-1207	RCA Plug- Red
19-1268	RCA Plug- Black
CN-NYS373-xx	RCA Phono - xx-BK,BL,RD,YE,GN
25-7290	RCA RG59/U Male Plug



CN-NYS373-GN

1/4" Audio Connectors	
Catalog No.	Description
CN-NP3CBAG	1/4" Black-Silver Contact TRS
CN-NP3C	1/4" Silver- Silver Contact TRS
CN-NP2CBAG	1/4" Black-Silver Contact TS
CN-NP2C	1/4" Silver- Silver Contact TS
CN-NP3XB	Thin 1/4" Black-Gold Contact TRS
CN-NP3XBAG	Thin 1/4" Black-Silver Contact TRS
CN-NP3X	Thin 1/4" Silver- Silver Contact TRS
CN-NP2XB	Thin 1/4" Black-Gold Contact TS
CN-NP2XBAG	Thin 1/4" Black-Silver Contact TS
CN-NP2X	Thin 1/4" Silver- Silver Contact TS



CN-NP2XB



CN-NP3X





CABLE ACCESSORIES: Panel Mount/Assemblies



Audio Connectors

Line Level Audio Connectors- Panel Mount



CN-NC3FD-L-BAG



CN-35FFSP



CN-NYS230



CN-MX35

Panel Mount Connectors	
Catalog No.	Description
CN-342B-xx	RCA- xx: YE, WH or RD
CN-35FFSP	3.5mm Panel Mount
CN-MX35	3.5mm Terminal Block
CN-NC3FDLB	XLR Panel Mt. Black- Gold Contact
CN-NC3FDLBAG	XLR Panel Mt. Black- Nickel Contact
CN-NC3FDL1	XLR Panel Mt. Nickel-Nickel Contact
CN-NC3FDL1B	XLR Panel Mt. Solderless Female Black
CN-NC3MDL1B	XLR Panel Mt. Solderless Male
CN-NYS230	1/4" TRS- Panel Mount

Audio Assemblies

XLR Assemblies



CN-XPXJ-xx

XLR Analog Mic. Assemblies M to F	
Catalog No.	Description
CN-XPXJ-xx	Replace xx with: 3, 6, 10, 25, 50

XLR Digital Mic. Assemblies M to F	
Catalog No.	Description
CN-XPXJDIG-10	10ft. Digital Mic Assembly

Audio Assemblies

3.5mm and RCA

ECONOMY Stereo Mini M to M	
Catalog No.	Description
CN-E3.5MM-xx	Replace xx with: 6, 12, 25

CM Stereo Mini M to M	
Catalog No.	Description
CN-454SM-xx	Replace xx with: 15,25,50,75,100,150

CMP Stereo Mini M to M	
Catalog No.	Description
CN-SMTSM-xx	Replace xx with: 15,25,50,75,100,150

CMP Stereo Mini M to 2 RCA	
Catalog No.	Description
CN-SMTRCA-xx	Replace xx with: 15,25,50,75,100,150



CN-454SM-xx

CMP RCA to RCA Phono	
Catalog No.	Description
CND25430RASxx	Replace xx with: 15,25,50,75,100,150



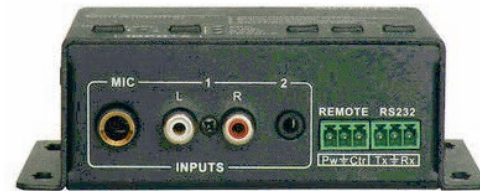


CABLE ACCESSORIES: AMP, Panels & Plates



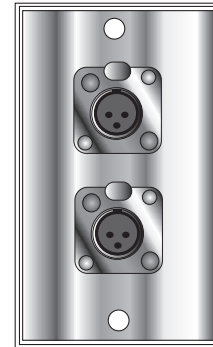
Audio Amplifier

Audio Amplifier	
Catalog No.	Description
AS-AMP1	Small Digital amplifier (ClassD) with EQ control and Mic mixer Functions.



Audio Wall Plates - Metal XLR Wall Plates

XLR Audio Wall Plates - Stainless Steel	
CN-PL-103F	Single Plate- One Loaded XLR (Female)
CN-PL-103M	Single Plate- One Loaded XLR (Male)
CN-PL-103STF	Single Plate- One XLR (Female Screw Terminal)
CN-PL-203F	Single Plate- Two Loaded XLR (Female)
CN-PL-203M	Single Plate- Two Loaded XLR (Male)
XLR Audio Wall Plates - Aluminum	
CN-PLxx-103F	Single Plate- One Loaded XLR (Female)
CN-PLxx-103M	Single Plate- One Loaded XLR (Male)
CN-PLxx-103STF	Single Plate- One XLR (Female Screw Terminal)
CN-PLxx-203F	Single Plate- Two Loaded XLR (Female)
CN-PLxx-203M	Single Plate- Two Loaded XLR (Male)



xx - Replace with:
 AC - Aluminum Clear
 AW - Aluminum White
 AB - Aluminum Black

Audio Video Custom Panels & Plates

Custom Built Panels.

Please visit: www.rcicustom.com or
www.westpenn-wpw.com to download PanelBuilder sE (PBsE).

