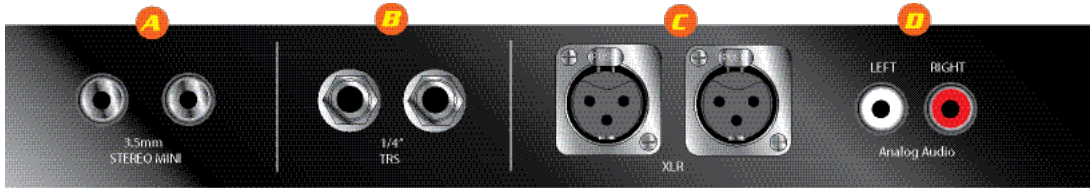


AUDIO CABLES - LINE LEVEL



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

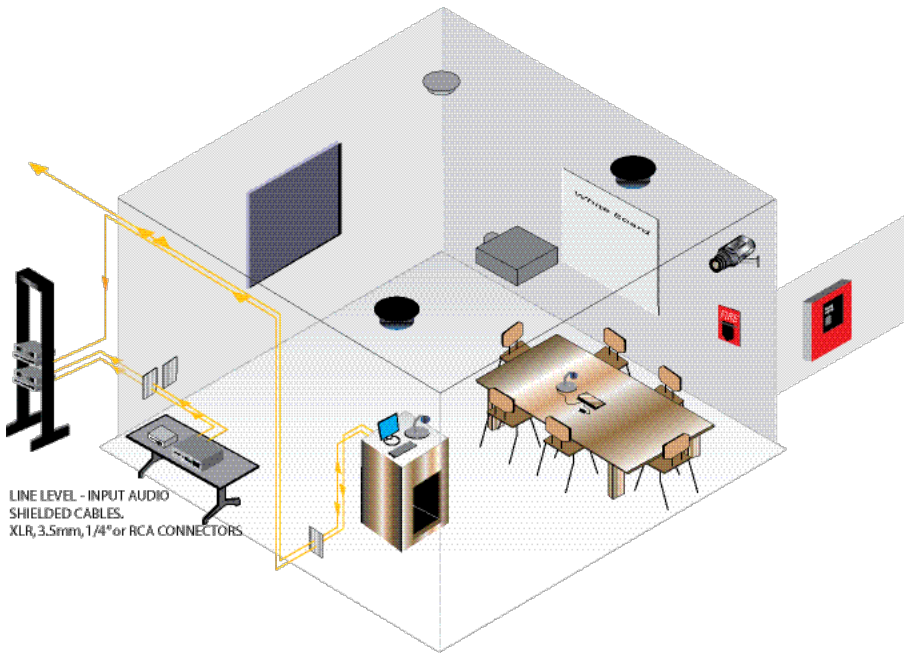
XLR- 3 Pin Cannon "X" Series Latched Rubber Connector

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



WEST PENN WIRE

800-245-4964

www.westpenn-wpw.com

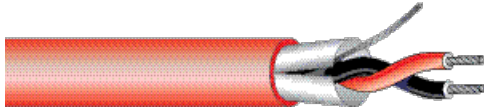
PRODUCT INDEX:

| | |
|---|----|
| PROFESSIONAL LINE LEVEL CMR | 1 |
| CONFORMABLE PROFESSIONAL RACK CABLE CMR..... | 1 |
| PROFESSIONAL LINE LEVEL CMP | 2 |
| PROFESSIONAL LINE LEVEL DUAL CMR | 2 |
| BROADCAST QUALITY CMR | 3 |
| BROADCAST QUALITY CMP | 4 |
| SNAKE LINE LEVEL CMR | 5 |
| SNAKE LINE LEVEL CMP | 6 |
| AQUASEAL INDOOR/OUTDOOR AUDIO | 7 |
| AQUASEAL SNAKE LINE LEVEL CM..... | 8 |
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ANALOG AUDIO - PROFESSIONAL

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 PVC jacket

Rating:

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

Applications:

Indoor for:

- Intercom Systems
- Security Systems
- Low Voltage Control Circuits
- Line Level Audio
- Rack Cabling

COMMERCIAL/ PROFESSIONAL GRADE

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shield & % Coverage Drain Wire | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|---|--------------|-----------------------------|------------------------------------|--------------------------------|--------------------------------|------------------|----------|--------------------|----------------------|
| (X)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 |
| The Aluminum polyester shield is bonded to the jacket so both can be removed with automatic stripping equipment | | | | | | | | | |

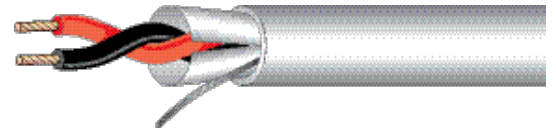
| Color Code <small>replace (X) with Pair No.</small> | | | |
|---|--------------|----------|--------------|
| Pair No. | Jacket Color | Pair No. | Jacket Color |
| 1 | Brown | 7 | Violet |
| 2 | Red | 8 | Gray |
| 3 | Orange | 9 | White |
| 4 | Yellow | 10 | Black |
| 5 | Green | 11 | Tan |
| 6 | Blue | 12 | Pink |

BELDEN 9451 **WPW** (x)454

Connectors:
Cable Mount: pg 9
Panel Mount: pg. 10

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

Notes:
Replace (X) with number.
Example:
(2)454- Red Jacket




Standard spool size 1000ft.

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding & % Coverage + Drain Wire | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|-------------------------------------|--------------------------------|------------------|----------|----------------------|--------------|
| 452 | 2 | 22 AWG (7x30) 17 Ω/Mft | PP + .008 | Al. Foil 100% 24 Strd. | PVC .020 | .135 | CMR | 32 pf/ft* 58 pf/ft** | Black |

Broadcast Audio

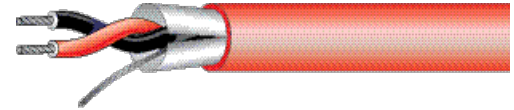
Miniature Conformable Rack Cable / shielded

| 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 |
|---|--------------|---------------------------------|-----------------------------|------------------------------|-------------------------|-----------|----------|--------------------|--------------|
|  455 New | 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 |

ANALOG AUDIO PROFESSIONAL

Broadcast Audio

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 | Jacket Type & Thickness | Nom. O.D. | NEC Type | Nom. Capacitance | Jacket Color |
|---|--------------|------------------------------|-----------------------------|---------------------------|-------------------------|-----------|----------|-----------------------|----------------------|
| | | | Inches | Drain Wire | Inches Flex | | | | |
| D25454 New | 1 pair | 22 AWG (7x30) 17 Ω/Mft | FEP .007 | Al. Foil 100% 22 Strd. | Plenum .018 | .130 | CMP | 35pf/ft* 67pf/ft** | See Color Code Chart |
| 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.

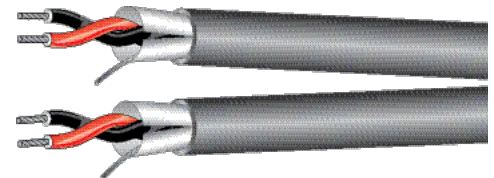
| Color Code | |
|------------|---------------------------------|
| D25454 | 1. Black, 2. Red |
| | JACKET: Black, Red, Gray, White |

BELDEN
9451P

WPW
D25454

Broadcast Audio

Miniature Dual Audio / Shielded



Applications:

Indoor for:

- Post-Production Facilities
- Recording Studios
- Sound and Audio
- Power-limited Control Circuits
- Line Level Dual Line Applications

COMMERCIAL/ PROFESSIONAL GRADE

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 | Drain Wire | Inches | | | | |
| 210454 New | 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 |

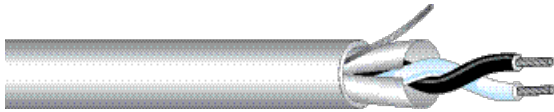
* Capacitance between conductors.

** 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

BROADCAST AUDIO



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

Professional Audio Twisted Pair/ Overall Shielded

Applications:

Indoor for:

- Pro-Audio
- Sound Systems
- Sound and Audio
- Recording Studios
- Post-Production Facilities
- Line Level Audio- Best Design

BROADCAST/ PROFESSIONAL GRADE

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shield & % Coverage Drain Wire | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|--|--------------------------------|------------------|----------|-----------------------|--------------|
| 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 | Al. Foil 100% 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

Accessories: pages 9-11

| | |
|--------|-------|
| BELDEN | WPW |
| 8761 | 77291 |
| 8762 | 77292 |
| 8760 | 77293 |
| 8723 | 77510 |

Connectors:

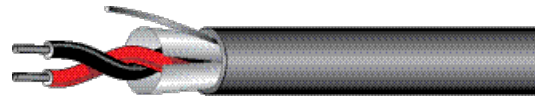
Cable Mount: pg 152

Panel Mount: pg. 153

| 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 |

BROADCAST AUDIO PLENUM

Professional Audio Plenum Cable Twisted Pair / Overall Shielded



Applications:

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

- Pro-Audio
- Sound and Audio
- Recording Studios
- Post-Production Facilities
- Line Level Audio- Best Plenum Design

BROADCAST/ PROFESSIONAL GRADE

Standard spool size 1000ft.

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

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shield & Coverage | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|---------------------------|--------------------------------|------------------|----------|--------------------------|--------------|
| 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 | |

| 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 |

* Capacitance between conductors.

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

Special Notes:

- Teflon®- Dupont Tradename for FEP-Fluorinated Ethylene Propylene
- Plenum Installation Precautions see Technical Reference Section Page 254

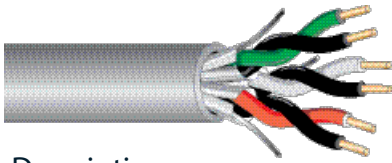
BELDEN WPW
82761 D25291
82760 D25293

Connectors:

Cable Mount: pg 9

Panel Mount: pg. 10

ANALOG AUDIO SNAKE



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

Professional Audio

Multiple Pair 22AWG / Individually Shielded

Applications:

Indoor for:

- Pro-Audio
- Sound Systems
- Sound and Audio
- Recording Studios
- Post-Production Facilities
- Line Level Audio Snake

Standard pool 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. Inches | 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 see pages 41
- Select cables are available in our Advantage Box
- Orange ripcord

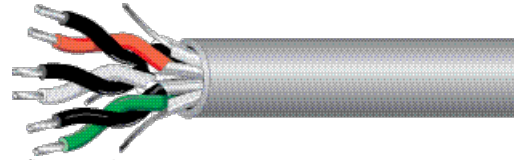
Electrical Characteristics
Nom. Vel of Propagation - 66%
Nom. Impedance Ω 22 Awg.(7x30)- 55Ω

* Capacitance between conductors.

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

ANALOG AUDIO SNAKE PLENUM

Professional Audio Plenum Cable Multiple Pair / Individually Shielded



Applications:

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

- Pro-Audio
- Sound Systems
- Sound and Audio
- Recording Studios
- Post-Production Facilities
- Line Level Audio Snake

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 Inches | Shield & Coverage Al. Foil 100% | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|---------------------------------|--------------------------------|------------------|------------|-------------------------|--------------|
| D25430 | 2 | 22 AWG (7x30) 17 Ω/Mft | Teflon .010 | Individual Al. Foil 100% | Flex Plenum .017 | .218 | CMP | 25 pf/ft* 45 pf/ft** | Gray |
| D25431 | 3 | 22AWG (7x30) 17 Ω/Mft | Teflon .010 | Individual 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 | Individual 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 | Individual 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 | Individual Al. Foil 100% | Flex Plenum .017 | .214 | CMP | 25 pf/ft* 45 pf/ft** | Gray |

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

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

| 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 | | | |

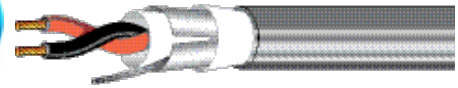
Special Notes:

- ‡ 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.
- Plenum Installation Precautions see Technical Reference Section Page 254

Accessories: pages 9-11

ANALOG AUDIO AQUASEAL

Aquaseal® Water Blocking Cable Two / Shielded



Rating:

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

Underground- In-Conduit

Standard spool size 1000ft.

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

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness | Shielding % Coverage | Jacket Type & Thickness | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|---------------------------|-------------------------|------------------|-----------|--------------------------|--------------|
| | | | Inches | Drain Wire | 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 .008 | Al. Foil-100% 24 Strd. | PVC .025 | .235 | CM CL3 | 68 pf/ft* 122 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
- Standard spool size 1000ft.

Rating:

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

Underground - Direct Burial

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness | Shielding % Coverage | Jacket Type & Thickness | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|---------------------------|-------------------------|------------------|-----------------|-------------------------|--------------|
| | | | Inches | Drain Wire | Inches | | | | |
| AQ293 | 1 Pair | 18 AWG (7x26) 6.2Ω/Mft | PVC .015 Nylon .005 | Al. Foil-100% 24 Strd. | .040 | .310 Inches | 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 | 2 | 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

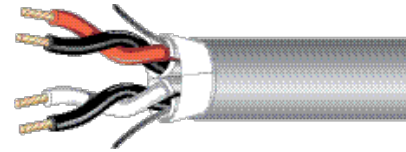
ANALOG AUDIO SNAKE - AQUASEAL

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

Applications:

Indoor/Outdoor Use:

- Intercom Systems
- Security Systems
- Sound and Audio
- Background Music
- Power-limited Control Circuits
- Line Level



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

Underground- In-Conduit

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness | Individual Shielding % Cov. Drain Wire | Jacket Type & Thickness | Nom. O.D. Inches | 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

LINE LEVEL AUDIO CONNECTORS

Audio Connectors

Line Level Audio Connectors- Cable Mount

3 PIN XLR Style Connectors

| 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 |



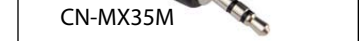
3.5mm Stereo Mini Audio Connectors

| 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 |



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 |



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 |



LINE LEVEL AUDIO 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-NC3FDS1B | XLR Panel Mt. Solderless Female |
| CN-NC3MDS1B | XLR Panel Mt. Solderless Male |
| CN-NYS230 | 1/4"TRS- Panel Mount |

Audio Assemblies XLR Assemblies

| 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-xx | Replace xx with: 3, 6, 10, 25, 50 |



Audio Assemblies 3.5mm Assemblies

| 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 |

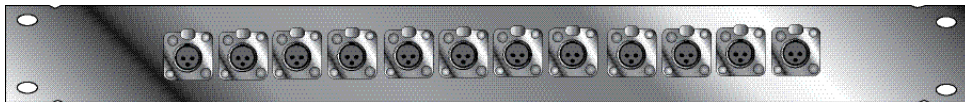
| CMP RCA to RCA Phono | |
|----------------------|---|
| Catalog No. | Description |
| CND25430RASxx | Replace xx with: 15,25,50,75,100,150 |



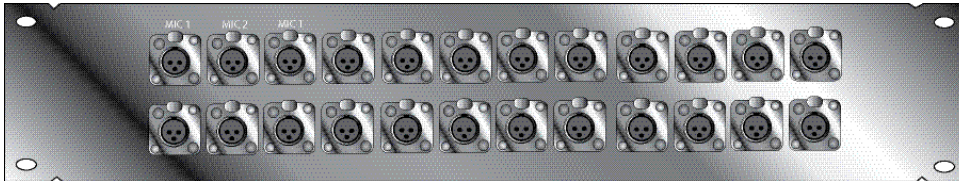
LINE LEVEL AUDIO PANELS

Audio Panels - Metal Black 3 Pin XLR 19" Panels

| 1 RU- 3 Pin XLR Rack Panels - 6 XLR | |
|--------------------------------------|---|
| CN-1RUXLRM6TB | 1 RU - 6 XLR Male Terminal Block Panel |
| CN-1RUXLRF6TB | 1 RU - 6 XLR Female Terminal Block Panel |
| CN-1RUXLRM6 | 1 RU - 6 XLR Male Solder Panel |
| CN-1RUXLRF6 | 1 RU - 6 XLR Female Solder Panel |
| 1 RU- 3 Pin XLR Rack Panels - 12 XLR | |
| CN-1RUXLRM12TB | 1 RU - 12 XLR Male Terminal Block Panel |
| CN-1RUXLRF12TB | 1 RU - 12 XLR Female Terminal Block Panel |
| CN-1RUXLRM12 | 1 RU - 12 XLR Male Solder Panel |
| CN-1RUXLRF12 | 1 RU - 12 XLR Female Solder Panel |



| 2 RU - 3 Pin XLR Rack Panels - 24 XLR | |
|---------------------------------------|---|
| CN-2RUXLRM24TB | 1 RU - 24 XLR Male Terminal Block Panel |
| CN-2RUXLRF24TB | 1 RU - 24 XLR Female Terminal Block Panel |
| CN-2RUXLRM24 | 1 RU - 24 XLR Male Solder Panel |
| CN-2RUXLRF24 | 1 RU - 24 XLR Female Solder Panel |



Note:

For different number of XLR connectors within 1 RU
Replace the number.

Example: For a 16 Connector XLR Male Terminal Block
CN-1RUXLRM16TB

Each Connector is Labeled

**CUSTOM PANELS ARE AVAILABLE UPON
REQUEST
CONTACT WPW ENGINEERING DEPT.**

Audio Wall Plates - Metal XLR Wall Plates

| XLR and Speakon Audio Wall Plates | |
|-----------------------------------|---|
| 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) |

