

***WEST PENN WIRE***

***Speaker Cables***

# Commercial Cables

## Communication & Control Cable Two Conductor / Unshielded



### Description:

- ASTM Bare Copper • PVC insulation • Short overall twist lengths • Overall PVC jacket

### Rating:

- NEC Type CMR or CL2R
- (UL)-C(UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666

### Applications:

Indoor for:

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

Standard pool size 1000ft.

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color   |
|-------------|--------------|-----------------------------|------------------------------------|-----------|--------------------------------|------------------|----------|------------------|----------------|
| 220         | 2            | 22 AWG Solid<br>17.5 Ω/Mft  | PVC .008                           | None      | PVC .017                       | .118             | CMR      | --               | Gray           |
| 221         | 2            | 22 AWG (7x30)<br>17 Ω/Mft   | PVC .007                           | None      | PVC .017                       | .120             | CMR      | --               | GY, WH         |
| 222         | 2            | 20 AWG (7x28)<br>10.5 Ω/Mft | PVC .008                           | None      | PVC .017                       | .138             | CMR      | --               | GY, WH         |
| 224         | 2            | 18 AWG (7x26)<br>6.2 Ω/Mft  | PVC .008                           | None      | PVC .017                       | .156             | CMR      | --               | GY, BK, BN, WH |
| 225         | 2            | 16 AWG (19x29)<br>4.2 Ω/Mft | PVC .008                           | None      | PVC .017                       | .182             | CMR      | --               | GY, BK, BN, WH |
| 226         | 2            | 14 AWG (19x27)<br>2.7 Ω/Mft | PVC .010                           | None      | PVC .017                       | .230             | CL2R*    | --               | GY, BK, BN, WH |
| 227         | 2            | 12 AWG (19x25)<br>1.7 Ω/Mft | PVC .010                           | None      | PVC .017                       | .260             | CL2R*    | --               | GY, BK         |

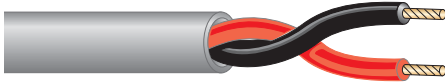
### Special Notes:

- Selected Plenum Versions see pages 28
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see Aquaseal Catalog Section pg.40
- Cables are packaged in our Advantage Box. Larger AWG sized cables may be on a reel.
- \*- CL2R Meets 150V requirements for Low Voltage Circuits
- Speaker Connectors are listed on pg. 137
- Orange Rip Cord

| Color Code                                    |                         |                    |
|---|-------------------------|--------------------|
| Catalog Number                                | 220, 221, 222, 224, 225 | 226, 227           |
| Primary Color Code                            | 1. Black, 2. Red        | 1. Black, 2. White |
| Jacket: GY-Gray, BK-Black, BN-Brown, WH-White |                         |                    |

# Plenum Commercial Speaker Cables

## Plenum Communication & Control Cable Two Conductor / Unshielded Plenecon II ® Extra Flexible



### Description:

- ASTM Bare Copper • Polymer alloy insulation • Short over-all twist lengths • Overall plenum PVC jacket

### Rating:

- NEC Type CMP or CL2P
- (UL)-C(UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: NFPA-262 Smoke & Flame Test

Standard spool size 1000ft.

### Applications:

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

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

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color               |
|-------------|--------------|-----------------------------|------------------------------------|-----------|--------------------------------|------------------|----------|------------------|----------------------------|
| 25221B      | 2            | 22 AWG (7x30)<br>17 Ω/Mft   | Polymer alloy<br>.007              | None      | Plenum PVC<br>.015             | .116             | CMP      | --               | GY                         |
| 25222B      | 2            | 20 AWG (7x28)<br>10.5 Ω/Mft | Polymer alloy<br>.008              | None      | Plenum PVC<br>.015             | .134             | CMP      | --               | GY                         |
| 25224B      | 2            | 18 AWG (7x26)<br>6.2 Ω/Mft  | Polymer alloy<br>.008              | None      | Plenum PVC<br>.015             | .154             | CMP      | --               | GY, BK, BN, OR, GN, WH, YE |
| 25225B      | 2            | 16 AWG (19x29)<br>4.2 Ω/Mft | Polymer alloy<br>.008              | None      | Plenum PVC<br>.015             | .176             | CMP      | --               | GY, BK, GN                 |
| 25226B      | 2            | 14 AWG (19x27)<br>2.7 Ω/Mft | Polymer alloy<br>.010              | None      | Plenum PVC<br>.015             | .218             | CL2P     | --               | GY, BK                     |
| 25227B      | 2            | 12 AWG (19x25)<br>1.7 Ω/Mft | Polymer alloy<br>.010              | None      | Plenum PVC<br>.015             | .256             | CL2P     | --               | GY, BK                     |

### Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 196
- Cables are packaged in our Advantage Box.

| Color Code |  |
|------------|--|
| All Cables | 1. Black, 2. Red   |
|            | <b>JACKET:</b> GY-Gray, BK-Black, BN-Brown, WH-White, YE-Yellow, BL-Blue, GN-Green |

# Flexible Speaker Cables



## Description:

- ASTM Bare Copper • PVC insulation • Short overall twist lengths
- Overall PVC jacket
- HA208- utilizes Polyolefin insulation

## Rating:

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



**More Flexible**

## Home Speaker Cable

**Two Conductor / Unshielded**

### Applications:

Indoor for:

- Home Entertainment
- Sound and Audio
- Background Music
- Power-limited Control Circuits

Standard spool size 1000ft.

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R     | Insulation Type & Thickness | Shielding | Jacket Type & Thickness | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color        |
|-------------|--------------|---------------------------------|-----------------------------|-----------|-------------------------|------------------|----------|------------------|---------------------|
|             |              |                                 | Inches                      |           | Inches                  |                  |          |                  |                     |
| HA225       | 2            | 16 AWG (65x34) BC<br>4.02 Ω/Mft | PVC<br>.015                 | None      | PVC<br>.025             | .199             | CM       | --               | White, Blue & Black |
| HA226       | 2            | 14 AWG (65x32) BC<br>2.58 Ω/Mft | PVC<br>.015                 | None      | PVC<br>.025             | .250             | CL3      | --               | White, Black        |
| HA227       | 2            | 12 AWG (65x30) BC<br>1.7 Ω/Mft  | PVC<br>.015                 | None      | PVC<br>.025             | .280             | CL3      | --               | White, Black        |
| HA210       | 2            | 10 AWG (65x28) BC<br>1.1 Ω/Mft  | PVC<br>.012                 | None      | PVC<br>.020             | .280             | CL2      | --               | Gray                |

### Color Code

|                    |                               |
|--------------------|-------------------------------|
| Catalog No.        | HA225A, HA226A, HA227A, HA210 |
| Primary Color Code | Black, Red                    |

## Speaker Level Audio Connectors

### Banana and Binding Post Connectors

| Catalog No. | Description                 |
|-------------|-----------------------------|
| 19-1239     | Banana Red                  |
| 19-1240     | Banana Black                |
| CN-MDP8     | Banana Plug (8 Awg.) Double |
| CN-BPX-24B  | Binding Post with Red,Black |



### Speakon Cable Mt. Female SPX

| Catalog No. | Description        |
|-------------|--------------------|
| CN-NL4FX    | 4 Pole, SPX Gray   |
| CN-NL4FX2   | 4 Pole, SPX Red    |
| CN-NL4FX4   | 4 Pole, SPX Yellow |
| CN-NL4FX5   | 4 Pole, SPX Green  |
| CN-NL4FX9   | 4 Pole, SPX White  |

### Speakon Audio Adapter

| Catalog No. | Description                 |
|-------------|-----------------------------|
| CN-NL4MMX   | 4 Pole Male to Male Adapter |

### Speakon Cable Mt. Female Standard

| Catalog No. | Description      |
|-------------|------------------|
| CN-NL4FC    | 4 Pole, Standard |

CN-NL4MMX

# Flexible Speaker Cables

## Home Speaker Cable Four Conductor / Unshielded

### Applications:

Indoor for:

- Home Entertainment
- Sound and Audio
- Background Music
- Power-limited Control Circuits



Standard spool size 1000ft.



### Description:

- ASTM Bare Copper • PVC insulation • Cabled Construction
- Overall PVC jacket

### Rating:

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

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R        | Insulation Type & Thickness | Shielding | Jacket Type & Thickness | Nom. O.D. | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|------------------------------------|-----------------------------|-----------|-------------------------|-----------|----------|------------------|--------------|
|             |              |                                    | Inches                      |           | Inches                  |           |          |                  |              |
| HA245       | 4            | 16 AWG<br>(65x34) BC<br>4.02 Ω/Mft | PVC<br>.015                 | None      | PVC<br>.025             | .242      | CM       | --               | White        |
| HA246       | 4            | 14 AWG<br>(65x32) BC<br>2.58 Ω/Mft | PVC<br>.015                 | None      | PVC<br>.025             | .307      | CL3      | --               | White        |

| Color Code         |                          |
|--------------------|--------------------------|
| Catalog No.        | HA245A, HA246A           |
| Primary Color Code | Black, Red, White, Green |

## Keypad with Volume Controls

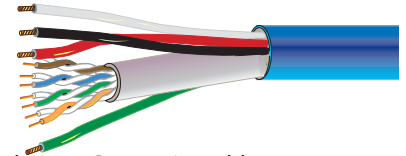
### Rating:

- NEC Type CM
- (UL) Listed
- Flame Rating: UL1685

Standard spool size 1000ft.

### Description:

- ASTM Bare Copper • PVC Insulation • Composite cable construction • 4 Pair 24 Awg. Category 5E cable + 4 conductor 16 AWG • Overall Blue PVC jacket

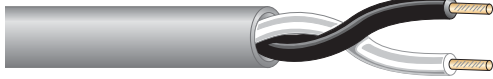


| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness | Shielding | Jacket Type & Thickness | Nom. O.D. | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|-----------|-------------------------|-----------|----------|------------------|--------------|
|             |              |                             | Inches                      |           | Inches                  |           |          |                  |              |
| HA1624      | 4 Cond.      | 16 AWG<br>(65x34)           | .015                        | None      | PVC<br>.020             | .385      | CM       | --               | Blue         |
|             | 4 Pair       | 24 AWG<br>Solid             | .008                        | None      |                         |           |          | 14 pf/ft*        |              |

| Color Code |   |
|------------|---|
| 4 Cond.    | 1. Black, 2. Red, 3. White, 4. Green  |
| 4 Pair     | 1. Blue/ White-Blue, 2. Orange/ White-Orange, 3.Green/ White-Green, 4. Brown/ White-Brown |

# Large AWG Speaker Cables

## Communication & Control Cable Cluster Speaker Cable / Twisted Pair 8 and 10 AWG.



### Description:

- ASTM Bare Copper • PVC insulation with Nylon • Twisted pair construction • Overall PVC Sunlight Resistant jacket


### Rating:

- NEC Type TC
- (UL) Listed
- Meets 600 Volt - Class 1
- Approved for direct burial and outdoor use

### Applications:

- Indoor/ Outdoor for:
- Sound and Audio

Standard spool size 1000ft.

| Catalog No.   | No. of Pairs | Conductor Type & Nom. D.C.R. | Insulation Type & Thickness Inches | Shielding | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type      | Nom. Capacitance | Jacket Color |
|---|--------------|------------------------------|------------------------------------|-----------|--------------------------------|------------------|---------------|------------------|--------------|
| C210  | 1            | 10 AWG (65x28)<br>1.10 Ω/Mft | PVC .020<br>Nylon .005             | None      | .047                           | .357             | Tray Cable TC | --               | Gray         |
|  C208 | 1            | 8 AWG (65x26)<br>.70Ω/Mft    | PVC .032<br>Nylon .006             | None      | .062                           | .498             | Tray Cable TC | --               | Gray         |

Speaker Cable Accessories:  
Pages 137-138

### Color Code

|      |                    |
|------|--------------------|
| C210 | 1. Black, 2. White |
| C208 | JACKET: Gray       |

### Description:

- ASTM Bare Copper • (HA210), - Polyolefin, (25210)- Polymer Alloy • Twisted Pair Construction • Overall Jacket

### Ratings:

- HA210 - NEC Type CL2
- 25210- NEC Type CL2P
- (UL) Listed

### Applications:

- Indoor for:
- Sound and Audio
- Power-Limited Control Cable

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R. | Insulation Type & Thickness Inches | Shielding | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|------------------------------|------------------------------------|-----------|--------------------------------|------------------|----------|------------------|--------------|
| HA210       | 1            | 10 AWG (65x28)<br>1.10 Ω/Mft | .012                               | None      | PVC .025                       | .275             | CL2      | --               | Gray         |
| 25210       | 1            | 10 AWG (65x28)<br>1.10 Ω/Mft | .012                               | None      | Plenum PVC .015                | .275             | CL2P     | --               | Ivory        |

### Color Code

|            |   |
|------------|---|
|            | 1. Black, 2. White                        |
| Color Code | HA210 JACKET: Gray<br>25210 JACKET: Ivory |

# Cluster Speaker Cables

## Communication & Control Cable

### Cluster Speaker Cable / Twisted Pair Unjacketed

#### Applications:

Indoor for:

- Cluster Speaker Cable
- Power-Limited Circuit Applications
- Sound and Audio
- Background Music

#### Description:

• ASTM Bare Copper • PVC Insulation with Nylon • Short overall twist Construction • Unjacketed

#### Rating:

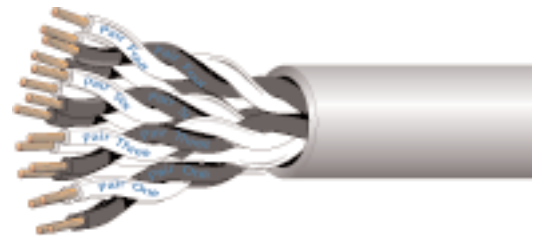
- NEC Type CL2
- (UL) Listed
- Flame Rating: UL1685

Speaker Cable Accessories:  
Pages 137-138

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding | Jacket Type & Thickness | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|-----------|-------------------------|------------------|----------|------------------|--------------|
| C205        | 1            | 16 AWG (19x29)<br>4.2 Ω/Mft | PVC<br>.015<br>Nylon<br>.005       | None      | None                    | .194             | CL2      | --               | Unjacketed   |
| C206        | 1            | 14 AWG (41x30)<br>2.7 Ω/Mft | PVC<br>.015<br>Nylon<br>.005       | None      | None                    | .222             | CL2      | --               | Unjacketed   |
| C207        | 1            | 12 AWG (65x30)<br>1.7 Ω/Mft | PVC<br>.015<br>Nylon<br>.005       | None      | None                    | .260             | CL2      | --               | Unjacketed   |

| Color Code |                    |
|------------|--------------------|
| All Cables | 1. Black, 2. White |
|            | JACKET: Unjacketed |



## Communication & Control Cable

### High Paired Speaker Cable

Standard spool size 500ft.

| Catalog No.       | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding | Jacket Type & Thickness | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------------|--------------|-----------------------------|------------------------------------|-----------|-------------------------|------------------|----------|------------------|--------------|
| <b>NEW</b> WP128P | 8            | 12 AWG (19x25)<br>1.7 Ω/Mft | PVC<br>.012"                       | None      | PVC<br>.035"            | .750"            | CL2R     | --               | Gray         |