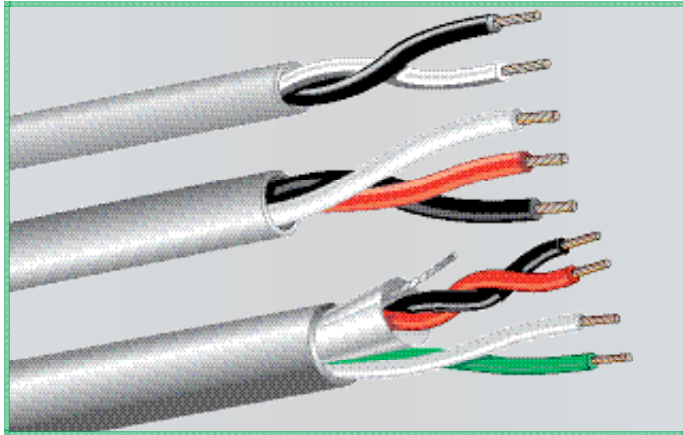


Communication & Control Cables

WEST PENN WIRE



West Penn Wire manufactures one of the largest, economical and reliable Communications and Control Cables in the Market. **West Penn Wire** Low Voltage Circuitry cables are typically used for control purposes such as remote signalling, as well as communication applications. Typical systems could include sound audio, security, and intercom.

These cables are designed and manufactured to meet NEC Article 725 and 800 requirements. All NEC rated cables are verified by an Independent Testing Laboratory.

For more detailed information on our Communication cables, contact our Customer Service Department at **1-800-245-4964**, or e-mail us at: **sales@westpenn-wpw.com**. Information can also be found on our website: **www.westpenn-wpw.com**

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Special Purpose Cables - Audio and Control Cables

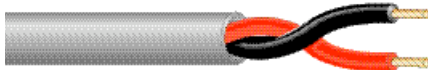
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Over 95% of West Penn Wire cables are RoHS Compliant. For a detailed specification on individual products, contact our engineering department.

Communication & Control Cables

WEST PENN WIRE



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 or (ETL)us - c(ETL)us 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 spool size 1000ft.

| 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 | Inches | | | |
| 220 | 2 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | None | PVC .015 | .118 | CMR | -- | Gray |
| 221 | 2 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .127 | CMR | -- | GY, BN, WH |
| 222 | 2 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | None | PVC .015 | .141 | CMR | -- | GY, BN, WH |
| 224 | 2 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .015 | .155 | CMR | -- | GY, BK, BN, WH, BL, YE |
| 225 | 2 | 16 AWG (19x29) 4.2 Ω/Mft | PVC .010 | None | PVC .015 | .189 | CMR | -- | GY, BN, WH, BK, YE |
| 226 | 2 | 14 AWG (19x27) 2.7 Ω/Mft | PVC .014 | None | PVC .015 | .234 | CL2R* | -- | GY, BN, WH, BK, YE |
| 227 | 2 | 12 AWG (19x25) 1.7 Ω/Mft | PVC .014 | None | PVC .015 | .269 | CL2R* | -- | GY, BK, YE |

Burglar Wire

Rating:

- NEC Type CM

| | | | | | | | | | |
|------|---|---------------------------|---------------------|------|----------|------|----|----|--------|
| S221 | 2 | 22 AWG (7x30) 17 Ω/Mft | Poly-propylene .008 | None | PVC .015 | .102 | CM | -- | GY, WH |
|------|---|---------------------------|---------------------|------|----------|------|----|----|--------|

Special Notes:

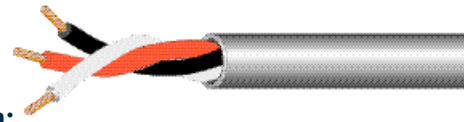
- Selected Plenum Versions see pages 28
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see pages 40 & 43
- Select cables are available in our Easybox®
- *- CL2R Meets 150V requirements for Low Voltage Circuits

| Color Code | | | |
|---|-----------------------|--------------------|------------------|
| Catalog Number | 220, 221,222, 224,225 | 226, 227 | S221 |
| Primary Color Code | 1. Black, 2. Red | 1. Black, 2. White | 1. Black, 2. Red |
| Jacket: GY-Gray, BK-Black, BN-Brown, WH-White, RD-Red, YE- Yellow, BL-Blue | | | |

Communication & Control Cables

Communication & Control Cable Three Conductor / Unshielded

WEST PENN WIRE



Applications:

Indoor for:

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

Description:

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

Rating:

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

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. | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|-----------|-------------------------|-----------|----------|------------------|--------------|
| | | | Inches | | Inches | Inches | | | |
| 230 | 3 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | None | PVC .015 | .141 | CMR | -- | Gray |
| 231 | 3 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .141 | CMR | -- | Gray |
| 232 | 3 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | None | PVC .015 | .158 | CMR | -- | Gray |
| 234 | 3 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .015 | .174 | CMR | -- | Gray |
| 235 | 3 | 16 AWG (19x29) 4.2 Ω/Mft | PVC .010 | None | PVC .015 | .202 | CMR | -- | Gray |
| 236 | 3 | 14 AWG (19x27) 2.7 Ω/Mft | PVC .014 | None | PVC .015 | .245 | CL2R* | -- | Gray |
| 238 | 3 | 12 AWG (19x25) 1.7 Ω/Mft | PVC .014 | None | PVC .015 | .307 | CL2R* | -- | Gray |

| Color Code | |
|--------------------|-----------------------------------|
| Catalog Number | 230, 231, 232, 234, 235, 236, 238 |
| Primary Color Code | 1. Black, 2. Red, 3. White |
| | JACKET: Gray |

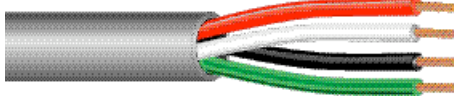
Special Notes:

- Selected Plenum Versions see pages 30
- Select cables are available in our Easybox®
- *- CL2R Meets 150V requirements for Low Voltage Circuits

Communication & Control Cables

WEST PENN WIRE

Communication & Control Cable Four Conductor / Unshielded



Description:

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

Rating:

- NEC Type CMR or CL2R
- (UL)-C(UL) Listed or (ETL)us - c(ETL)us 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 spool 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 |
|-------------|--------------|-----------------------------|------------------------------------|-----------|--------------------------------|------------------|----------|------------------|--------------|
| 240 | 4 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | None | PVC .015 | .142 | CMR | -- | Gray |
| 241 | 4 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .153 | CMR | -- | Gray |
| 242 | 4 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | None | PVC .015 | .173 | CMR | -- | Gray |
| 244 | 4 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .015 | .191 | CMR | -- | Gray |
| 245 | 4 | 16 AWG (19x29) 4.2 Ω/Mft | PVC .010 | None | PVC .015 | .222 | CMR | -- | Gray |
| 246 | 4 | 14 AWG (19x27) 2.7 Ω/Mft | PVC .014 | None | PVC .015 | .292 | CL2R* | -- | Gray |
| 248 | 4 | 12 AWG (19x25) 1.7 Ω/Mft | PVC .014 | None | PVC .015 | .338 | CL2R* | -- | Gray |

Burglar Wire

Rating:

- NEC Type CM

| | | | | | | | | | |
|------|---|---------------------------|---------------------|------|-----------|------|----|----|-------------|
| S241 | 4 | 22 AWG (7x30) 17 Ω/Mft | Poly-propylene .008 | None | PVC .015" | .129 | CM | -- | White, Gray |
|------|---|---------------------------|---------------------|------|-----------|------|----|----|-------------|

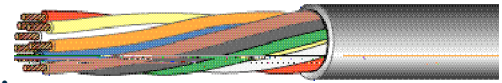
Special Notes:

- Selected Plenum Versions see pages 30 & 31
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see pages 40 & 43.
- Select cables are available in our Easybox®
- *- CL2R Meets 150V requirements for Low Voltage Circuits

| Color Code | |
|------------|--|
| All Cables | 1. Black, 2. Red, 3. White, 4. Green JACKET: Gray |
| S241 | 1. Black, 2. Red, 3. White, 4. Green JACKET: White, Gray |

Communication & Control Cables

Communication & Control Cable Multiple Conductor 22 AWG / Unshielded featuring the PERFECT STRIPE®



Applications:

Indoor for:

- Intercom Systems
- Security Systems
- 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 CMR
- (UL)-C(UL) Listed or c(ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666

| 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 | Inches | | | |
| 855 | 5 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .168 | CMR | -- | Gray |
| 270 | 6 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .183 | CMR | -- | Gray |
| 271 | 8 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .198 | CMR | -- | Gray |
| 272 | 10 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .243 | CMR | -- | Gray |
| 273 | 12 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .251 | CMR | -- | Gray |
| 274 | 15 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .020 | .278 | CMR | -- | Gray |
| 275 | 20 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .308 | CMR | -- | Gray |
| 276 | 25 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .343 | CMR | -- | Gray |
| 277 | 30 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .020 | .364 | CMR | -- | Gray |

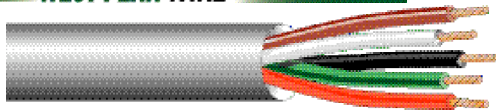
Special Notes:

- Select cables are available in our Easybox®
- Orange ripcord under jacket

Color Code- See page 6

Communication & Control Cables

WEST PENN WIRE



Communication & Control Cable 20 AWG Multiple Conductor / Unshielded

Description:

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

Rating:

- NEC Type CMR
- (UL)-C(UL) Listed or c(ETL)us 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 spool size 1000ft.

| 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 | | | | |
| 262 | 5 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | None | PVC .015 | .189 | CMR | -- | Gray |
| 263 | 7 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | None | PVC .015 | .207 | CMR | -- | Gray |
| 264 | 9 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | None | PVC .015 | .253 | CMR | -- | Gray |
| 265 | 12 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | None | PVC .020 | .284 | CMR | -- | Gray |

| Color Code | | |
|--|-------------------|-------------------|
| Colors | Colors | Colors |
| 1. Black | 11. Pink | 21. White/ Gray |
| 2. Red | 12. Tan | 22. Black/ Red |
| 3. White | 13. White/Black* | 23. Black/ Green |
| 4. Green | 14.. White/ Red | 24. Black/ Yellow |
| 5. Brown | 15. White/ Green | 25. Black/ Blue |
| 6. Blue | 16. White/ Orange | 26. Black/ Brown |
| 7. Orange | 17. White/ Blue | 27. Black/ Orange |
| 8. Yellow | 18. White/ Brown | 28. Black/ Gray |
| 9. Purple | 19. White/ Yellow | 29. Black/ Purple |
| 10. Gray | 20. White/ Purple | 30. Red/ Green |
| JACKET: Gray | | |
| *Conductors 13 and above have PERFECT STRIPE® | | |

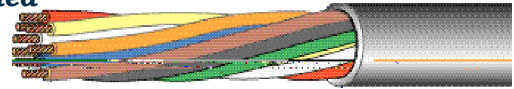
Special Notes:

- Selected cables are available in our Easybox®
- Orange ripcord under jacket

Communication & Control Cables

WEST PENN WIRE

Communication & Control Cable Multiple Conductor 18 & 16 AWG / Unshielded featuring the PERFECT STRIPE®



Applications:

Indoor for:

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

Description:

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

Rating:

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

Standard spool 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 |
|-------------|--------------|-----------------------------|------------------------------------|-----------|--------------------------------|------------------|----------|------------------|--------------|
| 280 | 5 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .015 | .210 | CMR | -- | Gray |
| 281 | 7 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .015 | .240 | CMR | -- | Gray |
| 282 | 9 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .015 | .280 | CMR | -- | Gray |
| 283 | 12 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .020 | .316 | CMR | -- | Gray |
| 284 | 15 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .020 | .351 | CMR | -- | Gray |
| 285 | 20 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .020 | .391 | CMR | -- | Gray |
| 663 | 7 | 16 AWG (19x29) 4.2 Ω/Mft | PVC .010 | None | PVC .020 | .278 | CMR | -- | Gray |

Special Notes:

- Select cables are available in our Easybox®
- Orange ripcord under jacket

| Color Code | | |
|---|------------------|------------------|
| Colors | Colors | Colors |
| 1. Black | 8. Yellow | 15. White/Green |
| 2. Red | 9. Purple | 16. White/Orange |
| 3. White | 10. Gray | 17. White/Blue |
| 4. Green | 11. Pink | 18. White/Brown |
| 5. Brown | 12. Tan | 19. White/Yellow |
| 6. Blue | 13. White/Black* | 20. White/Purple |
| 7. Orange | 14.. White/ Red | |
| JACKET: Gray | | |
| *Conductors 13 and above have PERFECT STRIPE® | | |

Communication & Control Cables

WEST PENN WIRE



Communication & Control Cable 22 AWG Multiple Conductor / Overall Shielded featuring the **PERFECT STRIPE**®

Description:

- ASTM Bare Copper • PVC insulation • Overall shield 100% coverage of aluminum polyester foil with 24 AWG Strd. TC drain wire • Cabled construction • Overall PVC jacket

Rating:

- NEC Type CMR
- (UL)-C(UL) Listed or c(ETL)us 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 spool size 1000ft.

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding & % Coverage | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|------------------------|--------------------------------|------------------|----------|-------------------------|--------------|
| | | | | | | | | | |
| 3241 | 4 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .157 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3855 | 5 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .172 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3270 | 6 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .187 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3271 | 8 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .212 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3272 | 10 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .247 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3273 | 12 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .255 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3274 | 15 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .020 | .282 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3275 | 20 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .020 | .312 | CMR | 55 pf/ft* 99 pf/ft** | Gray |

Color Code- See pg. 9

* Capacitance between conductors.

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

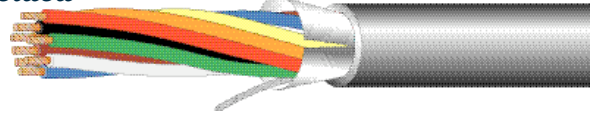
Special Notes:

- Selected Plenum Versions see pages 33
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 5 or more conductors

Communication & Control Cables

Communication & Control Cable Multiple Conductor 20 AWG / Overall Shielded

WEST PENN WIRE



Applications:

Indoor for:

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

Description:

- ASTM Bare Copper • PVC insulation • Overall shield 100% coverage of aluminum polyester foil with 22 AWG Strd. TC drain wire • Cabled construction • Overall PVC jacket

Rating:

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

Standard spool size 1000ft.

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation | Shielding | Jacket Type | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-------------------------|------------------|--------------------|------------------|----------|--------------------------|--------------|
| | | | Type & thickness Inches | & % Coverage | & Thickness Inches | | | | |
| 3011 | 4 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .176 | CMR | 60 pf/ft* 108 pf/ft** | Gray |
| 3262 | 5 | 20AWG (7x28) 10.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .193 | CMR | 60 pf/ft* 108 pf/ft** | Gray |
| 3263 | 7 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .211 | CMR | 60 pf/ft* 108 pf/ft** | Gray |
| 3264 | 9 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .256 | CMR | 60 pf/ft* 108 pf/ft** | Gray |
| 3265 | 12 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .288 | CMR | 60 pf/ft* 108 pf/ft** | Gray |

* Capacitance between conductors.

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

Special Notes:

- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 5 or more conductors

| Color Code | | |
|---|------------------|------------------|
| Colors | Colors | Colors |
| 1. Black | 8. Yellow | 15. White/Green |
| 2. Red | 9. Purple | 16. White/Orange |
| 3. White | 10. Gray | 17. White/Blue |
| 4. Green | 11. Pink | 18. White/Brown |
| 5. Brown | 12. Tan | 19. White/Yellow |
| 6. Blue | 13. White/Black* | 20. White/Purple |
| 7. Orange | 14.. White/ Red | |
| JACKET: Gray | | |
| *Conductors 13 and above have PERFECT STRIPE® | | |

Communication & Control Cables

WEST PENN WIRE

Communication & Control Cable 18 & 16 AWG Multiple Conductor / Overall Shielded



Description:

- ASTM Bare Copper • PVC insulation • Overall shield 100% coverage of aluminum polyester foil with 22 AWG Strd. TC drain wire • Cabled construction • Overall PVC jacket

Rating:

- NEC Type CMR
- (UL)-C(UL) Listed or c(ETL)us 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 spool size 1000ft.

| 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 | % Coverage | Inches | | | | |
| 3244 | 4 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .195 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3280 | 5 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .214 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3021 | 6 | 18 AWG (7x26) 6.6 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .243 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3281 | 7 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .245 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3282 | 9 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .284 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3283 | 12 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .020 | .319 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3245 | 4 | 16 AWG (19x29) 4.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .235 | CMR | 80 pf/ft* 144 pf/ft** | Gray |

Color Code- See pg. 9

* Capacitance between conductors.

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

Special Notes:

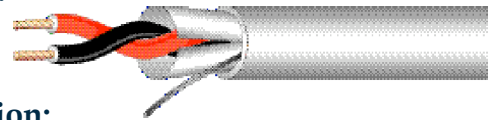
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 5 or more conductors
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see pages 39

Communication & Control Cables

Communication & Control Cable

Twisted Pair Overall Shielded/ Two Conductor

WEST PENN WIRE



Applications:

Indoor for:

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

Description:

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

Rating:

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

Standard spool size 1000ft.

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding & % Coverage | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|---------------------------|--------------------------------|------------------|----------|--------------------------|---------------------------------|
| 290 | 2 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% 22 Solid | PVC .015 | .123 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 291 | 2 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% 24 Strd. | PVC .015 | .131 | CMR | 55 pf/ft* 99 pf/ft** | GY, BK, GN,BN OR, RD, YE VT, BL |
| 292 | 2 | 20 AWG (7x28) 10.5 Ω/Mft | PVC .010 | Al. Foil 100% 22 Strd. | PVC .015 | .142 | CMR | 60 pf/ft* 108 pf/ft** | GY, BL |
| 293 | 2 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% 22 Strd. | PVC .015 | .159 | CMR | 68 pf/ft* 122 pf/ft** | GY, BL |
| 294 | 2 | 16 AWG (19x29) 4.1 Ω/Mft | PVC .010 | Al. Foil 100% 22 Strd. | PVC .015 | .182 | CMR | 80 pf/ft* 144 pf/ft** | Gray |
| 295 | 2 | 14 AWG (19x27) 2.7 Ω/Mft | PVC .014 | Al. Foil 100% 22 Strd. | PVC .015 | .238 | CL2R* | 76 pf/ft* 137 pf/ft** | Gray |
| 296 | 2 | 12 AWG (19x25) 1.7 Ω/Mft | PVC .014 | Al. Foil 100% 22 Strd. | PVC .015 | .272 | CL2R* | 88 pf/ft* 158 pf/ft** | Gray |

* Capacitance between conductors.

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

| Color Code | | |
|--------------------|---|--------------------|
| Catalog Number | 290, 291, 292, 293, 294 | 295, 296 |
| Primary Color Code | 1. Black, 2. Red | 1. Black, 2. White |
| | Jacket: GY-Gray, BK-Black, BN-Brown, WH-White, RD-Red, YE- Yellow, BL-Blue, VT-Violet, OR- Orange | |

Special Notes:

- Selected Plenum Versions see pages 32
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see pages 39 & 44.
- Select cables are available in our Easybox®
- *- CL2R Meets 150V requirements for Low Voltage Circuits

Communication & Control Cables

WEST PENN WIRE



Communication & Control Cable Three Conductor / Overall Shield

Description:

- ASTM Bare Copper • PVC insulation • Overall shield
- 100% coverage of aluminum polyester foil with TC drain wire • Cabled construction • Overall PVC jacket

Rating:

- NEC Type CMR or CL2R
- (UL)-C(UL) Listed or (ETL)us - c(ETL)us 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 spool size 1000ft.

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness | Shielding & % Coverage | Jacket Type & Thickness | Nom. O.D. | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|--------------------------------|-----------------------------|---------------------------|-------------------------|-----------|----------|--------------------------|--------------|
| | | | Inches | % Coverage | Inches | Inches | | | |
| 300 | 3 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% 22 Solid | PVC .015 | .134 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 301 | 3 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% 24 Strd. | PVC .015 | .145 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 302 | 3 | 20 AWG (7x28) BC 10.1 Ω/Mft | PVC .010 | Al. Foil 100% 22 Strd. | PVC .015 | .162 | CMR | 60 pf/ft* 108 pf/ft** | Gray |
| 303 | 3 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% 20 Strd. | PVC .015 | .178 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 304 | 3 | 16 AWG (19x29) 4.2 Ω/Mft | PVC .010 | Al. Foil 100% 22 Strd. | PVC .015 | .206 | CMR | 80 pf/ft* 144 pf/ft** | Gray |
| 305 | 3 | 14 AWG (19x27) 2.7Ω/Mft | PVC .014 | Al. Foil 100% 22 Strd. | PVC .015 | .270 | CL2R* | 76 pf/ft* 137 pf/ft** | Gray |

* Capacitance between conductors.

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

Special Notes:

- Selected Plenum Versions see pages 34
- Select cables are available in our Easybox®
- *- CL2R Meets 150V requirements for Low Voltage Circuits

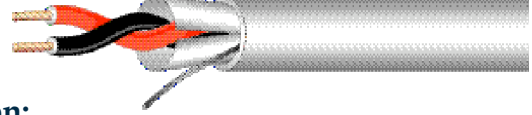
| Color Code | |
|------------|----------------------------|
| All Cables | 1. Black, 2. Red, 3. White |
| | JACKET: Gray |

Communication & Control Cables

Communication & Control Cable

22 AWG Miniature Audio Cable/ Overall Shield

WEST PENN WIRE



Applications:

Indoor for:

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

Description:

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

Rating:

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

Standard spool size 1000ft.

| 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 | % Coverage | Inches | | | | |
| 450 | 2 | 22 AWG Solid 17.5 Ω/Mft | PP + .006 | Al. Foil 100% 22 Solid | PVC .020 | .118 | CM | 34 pf/ft* 67 pf/ft** | Black |
| 451 | 3 | 22 AWG Solid 17.5 Ω/Mft | PP + .006 | Al. Foil 100% 22 Solid | PVC .020 | .130 | CM | 34 pf/ft* 67 pf/ft** | Black |
| 452 | 2 | 22 AWG (7x30) 17 Ω/Mft | PP + .008 | Al. Foil 100% 24 Strd. | PVC .020 | .135 | CM | 32 pf/ft* 58 pf/ft** | Black |

* Capacitance between conductors.

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

PP + Polypropylene

Color Code

| | |
|------------|----------------------------|
| Color Code | |
| All Cables | 1. Black, 2. Red, 3. White |
| | JACKET: Black |

Special Notes:

- Select cables are available in our Easybox®

Communication & Control Cables

WEST PENN WIRE



Communication & Control Cable Sound and Audio / Special Cable

Description:

- ASTM Bare Copper • PVC insulation • Unshielded/ Shielded pair 100% coverage of aluminum polyester foil with drain wire • Short overall twist construction • Overall PVC jacket

Rating:

- NEC Type CMR
- (UL)-C(UL) Listed or c(ETL)us 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 | Shielding & % Coverage | Jacket Type & Thickness | Nom. O.D. | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|-----------------------------|--------------------------------|-----------------------------|------------------------------|-------------------------|-----------|----------|--------------------------|--------------|
| | | | Inches | % Coverage | Inches | | | | |
| 351 | 3 (2 Shld) (1 Unshld) | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% 22 Solid | PVC .015 | .159 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 352 | 3 (2 Shld) (1 Unshld) | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% 24 Strd. | PVC .015 | .169 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 355 | 4 (2 Shld) (2 Unshld) | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% 22 Solid | PVC .015 | .156 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 356† | 4 (2 Shld) (2 Unshld) | 20 (7x28) 18 (7x26) | PVC .010 | Al. Foil 100% drain | PVC .015 | .200 | CMR | 60 pf/ft* 108 pf/ft** | Gray |
| 357 | 4 (2 Shld) (2 Unshld) | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% 24 Strd. | PVC .015 | .168 | CMR | 55 pf/ft* 99 pf/ft** | GY, BL |
| 358 | 3 (2 Shld) (1 Unshld) | 20 AWG (7x28) 10.1 Ω/Mft | PVC .010 | Al. Foil 100% 22 Strd. | PVC .015 | .189 | CMR | 60 pf/ft* 108 pf/ft** | Gray |
| 359 | 4 (2 Shld) (2 Unshld) | 20 AWG (7x28) 10.1 Ω/Mft | PVC .010 | Al. Foil 100% 22 Strd. | PVC .015 | .191 | CMR | 60 pf/ft* 108 pf/ft** | Gray |
| 360 | 4 (2 Shld) (2 Unshld) | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% 22 Strd. | PVC .015 | .209 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 369 | 6 (2 Shld) (4 Unshld) | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% 22 Solid | PVC .015 | .174 | CMR | 54 pf/ft* 97 pf/ft** | Gray |

Special Notes:

- Selected Plenum Versions see pages 35
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see pages 38
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 5 or more conductors
- † Shielded pair contains 22AWG strd.drain wire

* Capacitance between conductors.

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

Color Code

| Catalog Number | 351, 352, 355, 356, 357, 358, 359, 360 | 369 |
|--------------------|--|---|
| Primary Color Code | Shielded: Black, Red Unshielded: White, Green | 1. Black, 2. Red, 3. White, 4. Green, 5. Brown, 6. Blue |

JACKET: GY-Gray, BL-Blue

Communication & Control Cables

Communication & Control Cable 22 AWG Multiple Pair/ Unshielded featuring the PERFECT PAIR®



Applications:

Indoor for:

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

Description:

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

Rating:

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

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness | Shielding | Jacket Type & Thickness | Nom. O.D. | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|-----------|-------------------------|-----------|----------|------------------|--------------|
| | | | Inches | | Inches | Inches | | | |
| 251 | 2 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | None | PVC .015 | .179 | CMR | -- | Gray |
| 252 | 3 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | None | PVC .015 | .193 | CMR | -- | Gray |
| 253 | 4 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | None | PVC .015 | .212 | CMR | -- | Gray |

| Color Code |
|-----------------------|
| Colors |
| 1. Black/ Red-Red |
| 2. Black/ White-White |
| 3. Black/ Green-Green |
| 4. Black/ Blue-Blue |
| JACKET: Gray |

Special Notes:

- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs

Communication & Control Cables

WEST PENN WIRE



Description:

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

Rating:

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

Communication & Control Cable Multiple Pair 22 AWG / Unshielded featuring the PERFECT PAIR®

Applications:

Indoor for:

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

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | 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 | | | | |
| 651 | 2 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .197 | CMR | 28 pf/ft* | Gray |
| 652 | 3 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .210 | CMR | 28 pf/ft* | Gray |
| 653 | 4 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .230 | CMR | 28 pf/ft* | Gray |
| 654 | 6 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .015 | .289 | CMR | 28 pf/ft* | Gray |
| 655 | 9 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .020 | .340 | CMR | 28 pf/ft* | Gray |
| 656 | 12 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .020 | .384 | CMR | 28 pf/ft* | Gray |
| 657 | 16 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | None | PVC .020 | .428 | CMR | 28 pf/ft* | Gray |

* Capacitance between conductors.

Special Notes:

- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs

| Color Code | | |
|------------------------|-----------------------|-------------------------|
| Colors | Colors | Colors |
| 1. Black/Red-Red | 8. Red/White-White | 15. Green/Blue-Blue |
| 2. Black/White-White | 9. Red/Green-Green | 16. Green/Yellow-Yellow |
| 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 | 13. Red/Orange-Orange | |
| 7. Black/Orange-Orange | 14. Green/White-White | |
| JACKET: Gray | | |

Communication & Control Cables

Communication & Control Cable 18 AWG Multiple Pair/ Unshielded featuring the PERFECT PAIR®

Applications:

Indoor for:

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



Description:

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

Rating:

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

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 |
|-------------|--------------|-----------------------------|------------------------------------|-----------|--------------------------------|------------------|----------|------------------|--------------|
| 751 | 2 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .015 | .248 | CMR | 32 pf/ft* | Gray |
| 752 | 3 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .015 | .275 | CMR | 32 pf/ft* | Gray |
| 753 | 4 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .020 | .302 | CMR | 32 pf/ft* | Gray |
| 754 | 6 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .020 | .366 | CMR | 32 pf/ft* | Gray |
| 755 | 9 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | None | PVC .020 | .432 | CMR | 32 pf/ft* | Gray |

* Capacitance between conductors.

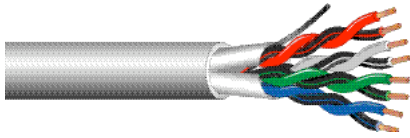
| Color Code | |
|------------------------|------------------------|
| Colors | Colors |
| 1. Black/Red-Red | 6. Black/Brown-Brown |
| 2. Black/White-White | 7. Black/Orange-Orange |
| 3. Black/Green-Green | 8. Red/White-White |
| 4. Black/Blue-Blue | 9. Red/Green-Green |
| 5. Black/Yellow-Yellow | |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

Special Notes:

- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs
- Selected Plenum Versions see pages 31

Communication & Control Cables

WEST PENN WIRE



Communication & Control Cable Multiple Pair 22 AWG / Overall Shielded featuring the **PERFECT PAIR**®

Description:

- ASTM Bare Copper • PVC insulation • Overall shield 100% coverage of aluminum polyester foil with 24 AWG Strd. TC drain wire • Short overall twist construction • Overall PVC jacket

Rating:

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

Standard spool size 1000ft.

Applications:

Indoor for:

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

| 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 | % Coverage | Inches | Inches | | | |
| 3251 | 2 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .185 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 3252 | 3 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .197 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 3253 | 4 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .216 | CMR | 54 pf/ft* 97 pf/ft** | Gray |

* Capacitance between conductors.

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

Special Notes:

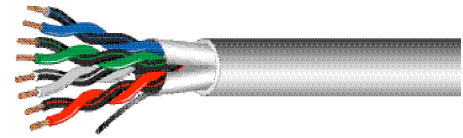
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs

Color Code- See pg. 19

Communication & Control Cables

Communication & Control Cable 22 AWG Multiple Pair/ Overall Shielded featuring the PERFECT PAIR®

WEST PENN WIRE



Applications:

Indoor for:

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

Description:

- ASTM Bare Copper • PVC insulation • Overall shield 100% coverage of aluminum polyester foil with 24 AWG Strd. TC drain wire • Short overall twist construction • Overall PVC jacket

Rating:

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

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding & % Coverage | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|------------------------|--------------------------------|------------------|----------|-------------------------|--------------|
| 3651 | 2 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .201 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3652 | 3 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .214 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3653 | 4 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .244 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3654 | 6 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .293 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3655 | 9 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .020 | .343 | CMR | 55 pf/ft* 99 pf/ft** | Gray |
| 3656 | 12 | 22 AWG (7x30) 17 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .020 | .388 | CMR | 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.

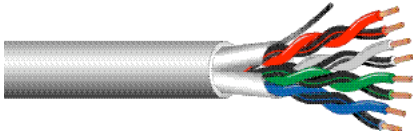
** Capacitance between one conductor and the other connected to the shield

Special Notes:

- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs

Communication & Control Cables

WEST PENN WIRE



Communication & Control Cable Multiple Pair 18 AWG / Overall Shielded featuring the PERFECT PAIR®

Description:

- ASTM Bare Copper • PVC insulation • Overall shield 100% coverage of aluminum polyester foil with 22 AWG Strd. TC drain wire • Short overall twist construction • Overall PVC jacket

Rating:

- NEC Type CMR
- (UL)-C(UL) Listed or c(ETL)us 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 spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding & % Coverage | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|------------------------------------|------------------------|--------------------------------|------------------|----------|--------------------------|--------------|
| 3751 | 2 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .252 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3752 | 3 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .279 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3753 | 4 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .306 | CMR | 68 pf/ft* 122 pf/ft** | Gray |
| 3754 | 6 | 18 AWG (7x26) 6.2 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .369 | CMR | 68 pf/ft* 122 pf/ft** | Gray |

Color Code- See pg. 21

* Capacitance between conductors.

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

Special Notes:

- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs

Communication & Control Cables

Communication & Control Cable 22 AWG Multiple Pair/ Each Pair Shielded featuring the PERFECT PAIR®



Applications:

Indoor for:

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

Description:

- ASTM Bare Copper • PVC insulation • Each pair shielded 100% coverage of aluminum polyester foil with 22 AWG Solid TC drain wire
- Short overall twist construction • Overall PVC jacket

Rating:

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

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. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|--------------------------------|-------------------------|------------------|----------|-------------------------|--------------|
| | | | Inches | | Inches | | | | |
| 420 | 2 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .195 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 421 | 3 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .207 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 429 | 4 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .228 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 422 | 6 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .285 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 423 | 9 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .020 | .336 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 424 | 12 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .020 | .379 | CMR | 54 pf/ft* 97 pf/ft** | Gray |
| 425 | 15 | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .020 | .423 | CMR | 54 pf/ft* 97 pf/ft** | Gray |

* Capacitance between conductors.

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

| Color Code | | |
|------------------------|-----------------------|---------------------|
| Colors | Colors | Colors |
| 1. Black/Red-Red | 8. Red/White-White | 15. Green/Blue-Blue |
| 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 | 13. Red/Orange-Orange | |
| 7. Black/Orange-Orange | 14. Green/White-White | |
| JACKET: Gray | | |

Special Notes:

- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see pages 41
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs

Communication & Control Cables

WEST PENN WIRE



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 or c(ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1685

Applications:

Indoor for:

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

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. 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 | .244 | 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 Easybox®
- Orange ripcord included on cables containing 3 or more pairs

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

Color Code- See pg. 23

Communication & Control Cables

Communication & Control Cable 18 AWG Multiple Pair/ Each Pair Shielded



Applications:

Indoor for:

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

Description:

- ASTM Tinned Copper • Polyolefin insulation • Each pair shielded 100% coverage of aluminum polyester foil with 22 AWG Strd. TC drain wire • Short overall twist construction • Overall PVC jacket

Rating:

- NEC Type CM
- (UL) Listed or c(ETL)us 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. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|--------------------------------|-------------------------|------------------|----------|-------------------------|--------------|
| | | | Inches | | Inches | | | | |
| D440 | 2 | 18 AWG (7x26) 6.6 Ω/Mft | Polyolefin .006 | Each Pair Al. Foil 100% | PVC .025 | .268 | CM | 42 pf/ft* 76 pf/ft** | Gray |
| D441 | 3 | 18 AWG (7x26) 6.6 Ω/Mft | Polyolefin .006 | Each Pair Al. Foil 100% | PVC .025 | .285 | CM | 42 pf/ft* 76 pf/ft** | Gray |
| D442 | 4 | 18 AWG (7x26) 6.6 Ω/Mft | Polyolefin .006 | Each Pair Al. Foil 100% | PVC .025 | .312 | CM | 42 pf/ft* 76 pf/ft** | Gray |

Electrical Characteristics
Nom. Vel of Propagation - 66%

* Capacitance between conductors.

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

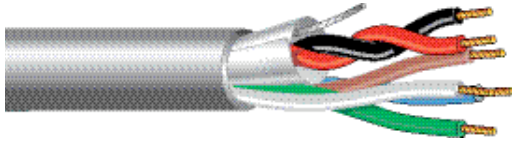
Special Notes:

- Selected Plenum Versions see pages 36
- Select cables are available in our Easybox®

| Color Code | | |
|---------------------|------------------|------------------|
| Colors | Colors | Colors |
| 1. Black/Red | 10. Red/Blue | 19. White/Blue |
| 2. Black/White | 11. Red/Yellow | 20. White/Yellow |
| 3. Black/Green | 12. Red/Brown | 21. White/Brown |
| 4. Black/Blue | 13. Red/Orange | 22. White/Orange |
| 5. Black/Yellow | 14. Green/White | 23. Blue/Yellow |
| 6. Black/Brown | 15. Green/Blue | 24. Blue/Brown |
| 7. Black/Orange | 16. Green/Yellow | 25. Blue/Orange |
| 8. Red/White | 17. Green/Brown | 26. Brown/Yellow |
| 9. Red/Green | 18. Green/Orange | 27. Brown/Orange |
| JACKET: Gray | | |

Communication & Control Cables

WEST PENN WIRE



Communication & Control Cable Special Purpose Cable/ Shielded/Unshielded

Description:

- ASTM Bare Copper • PVC insulation • Unshielded/ Shielded
- pairs 100% coverage of aluminum polyester foil with TC drain wire
- Short overall twist construction • Overall PVC jacket

Applications:

Indoor for:

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

Rating:

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

Standard spool size 1000ft.

| Catalog No. | No. of Conductors | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Ind. Pair Shielding % Coverage | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------------------------------|---------------------------------------|------------------------------------|--------------------------------|--------------------------------|------------------|----------|------------------|--------------|
| 373 | (6) 1 Shld. Pr. 2 Unshld. Pr. | 22 AWG Solid 17.5 Ω/Mft | PVC .010 | Al. Foil 100% | PVC .015 | .198 | CMR | -- | Gray |
| 374 | (4) 1 Unshld. Pr. 1 Unshld Pr. | 18 AWG (7x26) 22 Awg. (7x30) | PVC .010 | None | PVC .015 | .222 | CMR | -- | Gray |

Special Notes:

- Select cables are available in our Easybox®

| Color Code | | |
|---------------------|---|--------------------|
| Catalog No. | 373 | 374 |
| Primary Color Code | Shld Pair: Black/Red | 18Awg: Black/White |
| | Unshld Pair: Black/ Green & Black/White | 22Awg.Red/Green |
| JACKET: Gray | | |

Communication & Control Cables

Communication & Control Cable Cluster Speaker Cable/ Twisted Pair Unjacketed

WEST PENN WIRE

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) or (ETL)us Listed
- Flame Rating: UL1685

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) 4.2 Ω/Mft | PVC .015 Nylon .005 | None | None | .194 | CL2 | -- | Unjacketed |
| C206 | 1 | 14 AWG (41x30) 2.7 Ω/Mft | PVC .015 Nylon .005 | None | None | .222 | CL2 | -- | Unjacketed |
| C207 | 1 | 12 AWG (65x30) 1.7 Ω/Mft | PVC .015 Nylon .005 | None | None | .260 | CL2 | -- | Unjacketed |

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

Special Notes:

- Select cables are available in our Easybox®

Communication & Control Cables

WEST PENN WIRE



Communication & Control Cable Cluster Speaker Cable / Twisted Pair

Description:

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

Applications:

- Indoor/ Outdoor for:
- Sound and Audio

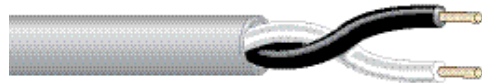
Rating:

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

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) 1.10 Ω/Mft | PVC .020 Nylon .005 | None | .047 | .357 | Tray Cable TC | -- | Gray |

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



Description:

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

Applications:

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

Ratings:

- HA210- NEC Type CL2
- 25210- NEC Type CL2P
- (UL) or (ETL)us Listed

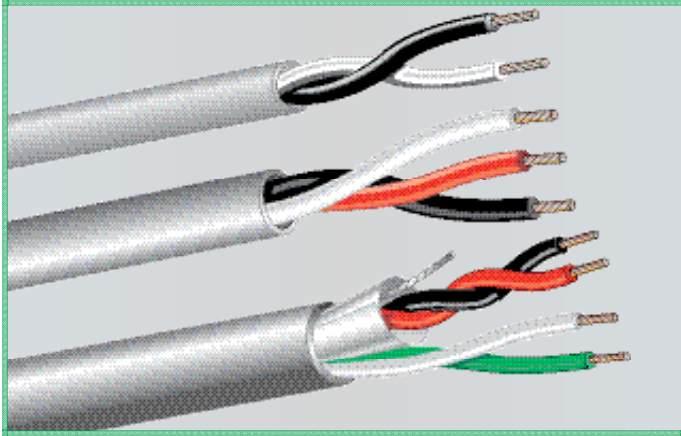
Standard spool size 1000ft.

| 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) 1.10 Ω/Mft | .012 | None | .020 | .275 | CL2 | -- | Gray |
| 25210 | 1 | 10 AWG (65x28) 1.10 Ω/Mft | .008 | None | .015 | .275 | CL2P | -- | Ivory |

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

Communication & Control Plenum Cables

WEST PENN WIRE



West Penn Wire manufactures one of the largest, economical and reliable Communications and Control Cables in the Market. West Penn Wire Low Voltage Circuitry cables are typically used for control purposes such as remote signalling, as well as communication applications. Typical systems could include sound audio, security, and intercom.

These cables are designed and manufactured to meet NEC Article 725 and 800 requirements. All NEC rated cables are verified by an Independent Testing Laboratory.

For more detailed information on our Communication Plenum cables, contact our Customer Service Department at 1-800-245-4964, or e-mail us at sales@westpenn-wpw.com. Information can also be found on our website- www.westpenn-wpw.com

Mini Index

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Shielded Cables - Audio and Control Cables

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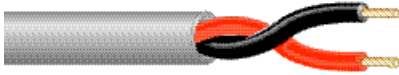


Over 95% of West Penn Wire cables are RoHS Compliant. For a detailed specification on individual products, contact our engineering department.

Communication & Control Plenum Cables

WEST PENN WIRE

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 or (ETL)us - c(ETL)us 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 | Shielding | Jacket Type & Thickness | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|-----------|-------------------------|------------------|----------|------------------|----------------------------|
| | | | Inches | | Inches | | | | |
| 25221B | 2 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .110 | CMP | -- | GY, BL |
| 25222B | 2 | 20 AWG (7x28) 10.5 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .125 | CMP | -- | Gray |
| 25224B | 2 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .138 | CMP | -- | GY, BK, BN, GN, WH, BL, YE |
| 25225B | 2 | 16 AWG (19x29) 4.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .159 | CMP | -- | GY, BK, BN |
| 25226B | 2 | 14 AWG (19x27) 2.7 Ω/Mft | Polymer alloy .012 | None | Plenum PVC .015 | .190 | CL2P | -- | GY, BK, BN |
| 25227B | 2 | 12 AWG (19x25) 1.7 Ω/Mft | Polymer alloy .012 | None | Plenum PVC .015 | .221 | CL2P | -- | GY, BK, BN |

Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 194
- Select cables are available in our Easybox®

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

Communication & Control Plenum Cables

Plenum Communication & Control Cable

Multiple Conductor/ Unshielded

22 AWG Plenecon II® Extra Flexible

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



Description:

- ASTM Bare Copper • Polymer alloy insulation • Cabled construction • Overall plenum PVC jacket

Rating:

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

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 | | | | |
| 25231B | 3 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .136 | CMP | -- | Gray |
| 25241B | 4 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .148 | CMP | -- | Gray |
| 25855B | 5 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .162 | CMP | -- | Gray |
| 25270B | 6 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .177 | CMP | -- | Gray |
| 25271B | 8 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .195 | CMP | -- | Gray |
| 25272B | 10 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .230 | CMP | -- | Gray |
| 25273B | 12 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .238 | CMP | -- | Gray |
| 25274B New | 15 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .260 | CMP | -- | Gray |

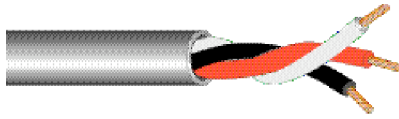
| Color Code | | |
|---------------------|-----------|-----------------|
| Colors | Colors | Colors |
| 1. Black | 7. Orange | 13. White/Black |
| 2. Red | 8. Yellow | 14.. White/ Red |
| 3. White | 9. Purple | 15. White/Green |
| 4. Green | 10. Gray | |
| 5. Brown | 11. Pink | |
| 6. Blue | 12. Tan | |
| JACKET: Gray | | |

Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 194
- Select cables are available in our Easybox®

Communication & Control Plenum Cables

WEST PENN WIRE



Plenum Communication & Control Cable Multiple Conductor/ Unshielded 16, 18, and 20 AWG Plenecon II® Extra Flexible

Applications:

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

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

Description:

- ASTM Bare Copper • Polymer alloy insulation • Cabled construction • Overall plenum PVC jacket

Rating:

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

Standard pool size 1000ft.

| 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 | | | | |
| 25232B New | 3 | 20 AWG (7x28) 10.5 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .150 | CMP | -- | Gray |
| 25242B | 4 | 20 AWG (7x28) 10.5 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .170 | CMP | -- | Gray |
| 25234B | 3 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .173 | CMP | -- | Gray |
| 25244B | 4 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .189 | CMP | -- | Gray |
| 25186B | 6 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .228 | CMP | -- | Gray |
| 25188B New | 8 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .241 | CMP | -- | Gray |
| 25245B New | 4 | 16 AWG (19x29) 4.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .221 | CMP | -- | Gray |

Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 194
- Select cables are available in our Easybox®

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

Communication & Control Plenum Cables

Plenum Communication & Control Cable Multiple Conductor/ Unshielded

14 and 12 AWG Plenecon II® Extra Flexible

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

Standard spool 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 |
|---------------|--------------|-----------------------------|---------------------------------------|-----------|-----------------------------------|---------------------|----------|------------------|--------------|
| | | | | | | | | | |
| 25236B | 3 | 14 AWG (19x27) 2.7 Ω/Mft | Polymer alloy .012 | None | Plenum PVC .015 | .240 | CL2P | -- | Gray |
| 25246B New | 4 | 14 AWG (19x27) 2.7 Ω/Mft | Polymer alloy .012 | None | Plenum PVC .015 | .265 | CL2P | -- | Gray |
| 25238B New | 3 | 12 AWG (19x25) 1.7 Ω/Mft | Polymer alloy .012 | None | Plenum PVC .015 | .289 | CL2P | -- | Gray |
| 25248B New | 4 | 12 AWG (19x25) 1.7 Ω/Mft | Polymer alloy .012 | None | Plenum PVC .015 | .311 | CL2P | -- | Gray |

Color Code- See Page 30



Description:

- ASTM Bare Copper • Polymer alloy insulation • Cabled construction • Overall plenum PVC jacket

Rating:

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

Plenum Communication & Control Cable Multiple Pair/ Unshielded

18 AWG Plenecon II® Extra Flexible



Description:

- ASTM Bare Copper • Polymer alloy insulation • Twisted pair construction • Overall plenum PVC jacket

Rating:

- NEC Type CMP

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 |
|---------------|--------------|-----------------------------|---------------------------------------|-----------|-----------------------------------|---------------------|----------|------------------|--------------|
| | | | | | | | | | |
| 25751B New | 2 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .258 | CMP | -- | Gray |
| 25752B New | 3 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .277 | CMP | -- | Gray |
| 25753B New | 4 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | None | Plenum PVC .015 | .306 | CMP | -- | Gray |

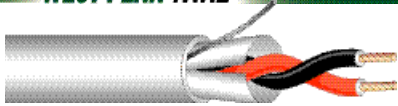
Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 194
- Select cables are available in our Easybox®

| Color Code | |
|------------|--|
| All Cables | 1. Black/White, 2. Black/Red, 3. Black/Green |
| | JACKET: Gray |

Communication & Control Plenum Cables

WEST PENN WIRE



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

Applications:

- Indoor within ducts, plenums and other spaces used for environmental air:
- Intercom Systems
 - Security Systems
 - Sound and Audio
 - Background Music

Description:

- ASTM Bare Copper • Polymer alloy insulation • Short overall twist lengths • Overall shield coverage 100% aluminum polyester foil with TC drain wire • Overall plenum PVC jacket

Rating:

- NEC Type CMP and CL2P
- (UL)-C(UL) Listed or (ETL)us - c(ETL)us 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 | Shielding & % Coverage | Jacket Type & Thickness | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|-------------|--------------|-----------------------------|-----------------------------|-----------------------------|-------------------------|------------------|----------|--------------------------|----------------|
| | | | Inches | % Coverage | Inches | | | | |
| 25290B | 1 Pair | 22 AWG Solid 17.5 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Solid | Plenum PVC .015 | .121 | CMP | 54 pf/ft* 97 pf/ft** | Gray |
| 25291B | 1 Pair | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .128 | CMP | 55 pf/ft* 99 pf/ft** | GY, VT, YE, BL |
| 25292B | 1 Pair | 20 AWG (7x28) 10.5 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .143 | CMP | 60 pf/ft* 108 pf/ft** | GY, BL |
| 25293B | 1 Pair | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .158 | CMP | 68 pf/ft* 122 pf/ft** | GY, YE, BL |
| 25294B | 1 Pair | 16 AWG (19x29) 4.2 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .180 | CMP | 75 pf/ft* 140 pf/ft** | Gray |
| 25295B | 1 Pair | 14 AWG (19x27) 2.7 Ω/Mft | Polymer alloy .012 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .220 | CL2P | 76 pf/ft* 137 pf/ft** | Gray |
| 25296B | 1 Pair | 12 AWG (19x25) 1.7 Ω/Mft | Polymer alloy .012 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .246 | CL2P | 88 pf/ft* 158 pf/ft** | Gray |

* Capacitance between conductors.

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

Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 194
- Select cables are available in our Easybox®

| Color Code | |
|------------|---|
| All Cables | 1. Black, 2. Red |
| | JACKET: GY-Gray, VT-Violet, YE-Yellow, BL-Blue |

Communication & Control Plenum Cables

Plenum Communication & Control Cable Multiple Conductor/ Shielded 22 AWG Plenecon II® Extra Flexible



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

Description:

- ASTM Bare Copper • Polymer Alloy Insulation • Cabled construction • Overall shield coverage 100% aluminum polyester foil with TC drain wire • Overall plenum PVC jacket

Rating:

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

Standard spool size 1000ft.

| Catalog No. | No. of Cond. | Conductor Type & Nom. D.C.R | Insulation Type & Thickness Inches | Shielding & % Coverage | Jacket Type & Thickness Inches | Nom. O.D. Inches | NEC Type | Nom. Capacitance | Jacket Color |
|----------------|--------------|-----------------------------|------------------------------------|-----------------------------|--------------------------------|------------------|----------|-------------------------|--------------|
| 25300B | 3 | 22 AWG Solid 17.5 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Solid | Plenum PVC .015 | .133 | CMP | 54 pf/ft* 97 pf/ft** | Gray |
| 25301B | 3 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .141 | CMP | 55 pf/ft* 99 pf/ft** | Gray |
| 253241B | 4 | 22 AWG (7x30) 17Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .153 | CMP | 55 pf/ft* 99 pf/ft** | Gray |
| 253855B New | 5 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .165 | CMP | 55 pf/ft* 99 pf/ft** | Gray |
| 253270B | 6 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .182 | CMP | 55 pf/ft* 99 pf/ft** | Gray |
| 253271B | 8 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .197 | CMP | 55 pf/ft* 99 pf/ft** | Gray |
| 253272B New | 10 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .229 | CMP | 55 pf/ft* 99 pf/ft** | Gray |
| 253274B New | 15 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .264 | CMP | 55 pf/ft* 99 pf/ft** | Gray |

| Color Code | | |
|---------------------|-----------|-----------------|
| Colors | Colors | Colors |
| 1. Black | 7. Orange | 13. White/Black |
| 2. Red | 8. Yellow | 14.. White/ Red |
| 3. White | 9. Purple | 15. White/Green |
| 4. Green | 10. Gray | |
| 5. Brown | 11. Pink | |
| 6. Blue | 12. Tan | |
| JACKET: Gray | | |

* Capacitance between conductors.

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

Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 194
- Select cables are available in our Easybox®

Communication & Control Plenum Cables

WEST PENN WIRE



Plenum Communication & Control Cable Multiple Conductor/ Shielded 18 and 20 AWG Plenecon II® Extra Flexible

Description:

- ASTM Bare Copper • Polymer Alloy Insulation • Cabled construction
- Overall shield coverage 100% aluminum polyester foil with TC drain wire • Overall plenum PVC jacket

Rating:

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

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

Standard pool size 1000ft.

| 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 | % Coverage | Inches | | | | |
| 25302B New | 3 | 20 AWG (7x28) 10.5 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .154 | CMP | 60 pf/ft* 108 pf/ft** | Gray |
| 25303B | 3 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .175 | CMP | 68 pf/ft* 122 pf/ft** | Gray |
| 253244B | 4 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .194 | CMP | 68 pf/ft* 122 pf/ft** | Gray |
| 253186B | 6 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .232 | CMP | 68 pf/ft* 122 pf/ft** | Gray |
| 253188B New | 8 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .251 | CMP | 68 pf/ft* 122 pf/ft** | Gray |

* Capacitance between conductors.

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

Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 194
- Select cables are available in our Easybox®

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

Communication & Control Plenum Cables

Plenum Communication & Control Cable Combination/ Shielded and Unshielded Plenecon II® Extra Flexible



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

Standard spool size 1000ft.

Description:

- ASTM Bare Copper • Polymer Alloy Insulation • Cabled construction • Unshielded/Shielded coverage 100% aluminum polyester foil with TC drain wire • Overall plenum PVC jacket

Rating:

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

| 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 | | Inches | | | | |
| 25352B | 3 (2 Shld) (1 Unshld) | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .165 | CMP | 55 pf/ft* 99 pf/ft** | Gray |
| 25355B | 4 (2 Shld) (2 Unshld) | 22 AWG Solid 17.5 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Solid | Plenum PVC .015 | .153 | CMP | 54 pf/ft* 97 pf/ft** | GY, BN, YE |
| 25357B | 4 (2 Shld) (2 Unshld) | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .162 | CMP | 55 pf/ft* 99 pf/ft** | GY, BL |
| 25358B | 3 (2 Shld) (1 Unshld) | 20 AWG (7x28) 10.1 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .182 | CMP | 60 pf/ft* 108 pf/ft** | Gray |
| 25359B | 4 (2 Shld) (2 Unshld) | 20 AWG (7x28) 10.1 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .186 | CMP | 60 pf/ft* 108 pf/ft** | Gray |
| 25372B | 5 (3 Shld) (2 Unshld) | 22 AWG Solid 17.5 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Solid | Plenum PVC .015 | .208 | CMP | 54 pf/ft* 97 pf/ft** | Gray |

* Capacitance between conductors.

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

| Color Code | | |
|---|---------------------------------------|--|
| Catalog No. | All Cables | 25372B |
| Primary Color Code | 1. Black, 2. Red 3.White, 4. Green | Under Shield: 1.Black, 2.Red, 3.White, Outside Shield: 1.Black, 2.Green |
| JACKET: GY-Gray, BN-Brown, YE-Yellow, BL-Blue | | |

Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 194
- Select cables are available in our Easybox®

Communication & Control Plenum Cables

WEST PENN WIRE



Plenum Communication & Control Cable Multiple Pair / Individually Shielded Pairs

Description:

- ASTM Bare Copper • Polymer Alloy Insulation • Twisted pair construction • Each pair shielded 100% coverage of aluminum polyester foil with drain wire • Short overall twist construction
- Overall plenum PVC Jacket

Rating:

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

Applications:

- Indoor within ducts, plenums and other spaces used for environmental air:
- Intercom Systems
 - Security Systems
 - Sound and Audio
 - Background Music

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & Thickness | Individual Shielding & Drain Wire | Jacket Type & Thickness | Nom. O.D. | NEC Type | Nom. Capacitance | Jacket Color |
|---------------|--------------|-----------------------------|-----------------------------|-----------------------------------|-------------------------|-----------|------------|--------------------------|--------------|
| | | | Inches | | Inches | | | | |
| 25510B | 2 | 22 AWG (7x30) 17 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 24 Strd. | Plenum PVC .015 | .204 | CMP | 55 pf/ft* 99 pf/ft** | GY, GN, BL |
| 25440B | 2 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .257 | CMP | 68 pf/ft* 122 pf/ft** | Gray |

Special Note: 25510B & 25440B

- Employs individually shielded pairs with one strd. drain wire common to all shields to ensure greater shielding and lower DC resistance

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

| Color Code | |
|---------------|---|
| 25510B | 1. Black, 2. Red, 3. White, 4. Green |
| 25440B | JACKET: GY-Gray, GN-Green, BL-Blue |

Standard spool size 1000ft.

| Catalog No. | No. of Pairs | Conductor Type & Nom. D.C.R | Insulation Type & thickness | Individual Shielding & Drain Wire | Jacket type & Thickness | Nom. O.D. | NEC type | Nom. Capacitance | Jacket Color |
|---------------|--------------|-----------------------------|-----------------------------|-----------------------------------|-------------------------|-----------|------------|--------------------------|--------------|
| | | | Inches | | Inches | | | | |
| 25441B | 3 | 18 AWG (7x26) 6.2 Ω/Mft | Polymer alloy .010 | Al. Foil - 100% 22 Strd. | Plenum PVC .015 | .283 | CMP | 68 pf/ft* 122 pf/ft** | Gray |

Special Note: 25441B

- Employs individually shielded pairs with a strd. drain wire for each pair

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

| Color Code | |
|---------------|---|
| 25441B | 1. Black/Red, 2. Black/Green, 3. Black/Blue |
| | JACKET: Gray |