



WEST PENN WIRE

" EXCEEDING EXPECTATIONS WITH PERFORMANCE "

Communication and Control Cable

Sales and Ordering Information: 1-800-245-4964

Technical Questions: E-Mail us at info@westpenn-cdt.com

Sales Department: E-Mail us at wpwsales@westpenn-cdt.com

Web-site: www.westpenn-cdt.com

Communication and Control Cable

Two Conductor/Unshielded



DESCRIPTION

- ASTM bare copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- **CL3R only. (UL) or (ETL)us defines type CMR as 26 – 16 AWG
- Available in a variety of Colors See Tech. Reference Section (page 201)
- Select cables are available in plenum versions. See Plenum Section (pages 33 – 48)
- Select cables are available in outdoor or direct burial versions. See Aquaseal® product line for details (pages 49 – 56)
- Select cables are available in our Easybox®

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
220 °	2	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.118	3.00
221 °	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.127	3.23
222 °	2	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.141	3.58
223	2	19 Solid 8.8 Ω/M'	.010	.25	.015	.38	.137	3.48
228	2	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.146	3.71
224 °	2	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.155	3.94
225 ° 225D	2	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.189	4.80
226** ° 226D** CL3R	2	14 (19x27) 2.7 Ω/M'	.014	.36	.015	.38	.234	5.94
227** ° 227D** CL3R	2	12 (19x25) 1.7 Ω/M'	.014	.36	.015	.38	.269	6.83

Standard spool size 1000 feet

COLOR CODE

Catalog Number	220, 221, 222, 223, 224, 225	226, 227	225D, 226D, 227D	228
Primary Color Code	Black Red	Black White	Brown Orange	Red White
JACKET: Gray				

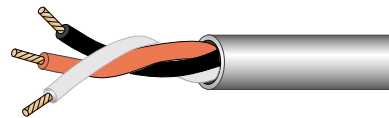
Communication and Control Cable

DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall PVC jacket



Unshielded Three Conductor



Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
230	3	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.141	3.58
231	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.141	3.58
232	3	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.158	4.01
233	3	19 Solid 8.8 Ω/M'	.010	.25	.015	.38	.153	3.89
237	3	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.163	4.14
234	3	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.174	4.42
235 235D	3	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.202	5.13
236** CL3R	3	14 (19x27) 2.7 Ω/M'	.014	.36	.015	.38	.245	6.22
238** CL3R	3	12 (19x25) 1.7 Ω/M'	.014	.36	.015	.38	.307	7.80

Standard spool size 1000 feet

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- **CL3R only. (UL) or (ETL)us defines typeCMR as 26 – 16 AWG
- Select cables are available in plenum versions. See Plenum Section (pages 33 – 48)
- Select cables are available in our Easybox®

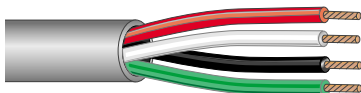
COLOR CODE

Catalog Number	230, 231, 232, 233, 234, 235, 236, 238	237	235D
Primary Color Code	Black Red White	Red White Green	Red Black Yellow
JACKET: Gray			

WEST PENN WIRE

Communication and Control Cable

Four Conductor/Unshielded



DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

**CL3R only. (UL) or (ETL)us defines type CMR as 26 – 16 AWG

- Select cables are available in plenum versions. See Plenum Section (pages 33 – 48)
- Select cables are available in outdoor or direct burial versions. See [Aquaseal®](#) product line for details (pages 49 – 56)
- Select cables are available in our Easybox®

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
240	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.142	3.61
241	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.153	3.89
242	4	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.173	4.39
243	4	19 Solid 8.8 Ω/M'	.010	.25	.015	.38	.167	4.24
244	4	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.191	4.85
249	4	18 Solid 6.5 Ω/M'	.010	.25	.015	.38	.178	4.52
245	4	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.222	5.64
246** CL3R	4	14 (19x27) 2.7 Ω/M'	.014	.36	.015	.38	.292	7.42
248** CL3R	4	12 (19x25) 1.7 Ω/M'	.014	.36	.015	.38	.338	8.59

Standard spool size 1000 feet

COLOR CODE

All
Cables

1. Black, 2. Red, 3. White, 4. Green

JACKET: Gray

Communication and Control Cable

Unshielded/22 AWG Multiple Conductor

featuring the *PERFECT STRIPE®*



DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
555	5	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.155	3.94
570	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.169	4.29
571	8	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.183	4.64
572	10	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.214	5.43
573	12	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.231	5.86
574	15	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.256	6.50
575	20	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.284	7.21
576	25	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.315	8.00
577	30	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.334	8.48

Standard spool size 1000 feet

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

COLOR CODE

Cond. No.	Colors	Cond. No.	Colors	Cond. No.	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®*

WEST PENN WIRE

Communication and Control Cable

Multiple Conductor 22 AWG/Unshielded

featuring the *PERFECT STRIPE*®



DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- Select cables are available in plenum versions. See Plenum Section (pages 33 – 48)
- Select cables are available in our Easybox®
- Orange ripcord under jacket

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
855	5	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.168	4.27
270	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.183	4.65
271	8	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.198	5.03
272	10	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.243	6.17
273	12	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.251	6.38
274	15	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.278	7.06
275	20	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.308	7.82
276	25	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.343	8.71
277	30	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.364	9.25

Standard spool size 1000 feet

Tech Tip:

- ✓ The *PERFECT STRIPE*® is not painted on but is actually part of the insulation. This provides an identification mark that will not chip or rub off due to abrasion and is much easier to see in low lighting situations.



COLOR CODE

All
Cables

Refer to color code chart on page 7

JACKET: Gray

*Conductors 13 and above have *PERFECT STRIPE*®

WEST PENN WIRE

Communication and Control Cable

Unshielded/20 AWG Multiple Conductor

featuring the *PERFECT STRIPE*®



DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall PVC jacket



Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
262	5	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.189	4.80
263	7	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.207	5.26
264	9	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.253	6.43
265	12	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.284	7.21
266	15	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.315	8.00
267	20	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.351	8.92

Standard spool size 1000 feet

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

COLOR CODE

Cond. No.	Colors	Cond. No.	Colors	Cond. No.	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

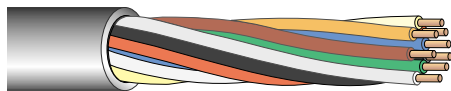
*Conductors 13 and above have *PERFECT STRIPE*®

WEST PENN WIRE

Communication and Control Cable

Multiple Conductor 18 and 16 AWG/Unshielded

featuring the *PERFECT STRIPE*®



DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
280	5	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.210	5.33
281	7	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.240	6.10
282	9	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.280	7.11
283	12	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.316	8.03
284	15	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.351	8.92
285	20	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.391	9.93
286	25	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.436	11.07
287	30	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.464	11.79
663	7	16 (19x29) 4.2 Ω/M'	.010	.25	.020	.51	.278	7.06

Standard spool size 1000 feet

COLOR CODE

Cond. No.	Colors	Cond. No.	Colors	Cond. No.	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*®

WEST PENN WIRE

Communication and Control Cable

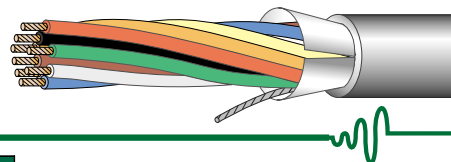
Overall Shielded/22 AWG Multiple Conductor

DESCRIPTION

- ASTM bare copper • PVC insulation • Cabled construction
- PVC fillers as required • Polyester binders as required • Overall shield 100% coverage of aluminum polyester foil with 24 AWG strd. TC drain wire • Overall PVC jacket



featuring the *PERFECT STRIPE*®



Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
3010 [†]	4	22 Solid Tinned Copper 17.5 Ω/M'	.010	.25	.015	.38	.146	3.71	54	177	97	318
3241	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.157	3.99	55	180	99	325
3855	5	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.172	4.37	55	180	99	325
3270	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.187	4.75	55	180	99	325
3271	8	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.212	5.39	55	180	99	325
3272	10	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.247	6.27	55	180	99	325
3273	12	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.255	6.48	55	180	99	325
3274	15	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.282	7.16	55	180	99	325
3275	20	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.312	7.93	55	180	99	325
3276	25	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.347	8.81	55	180	99	325
3277	30	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.368	9.35	55	180	99	325

Standard spool size 1000 feet

*Capacitance between conductors.

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

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

[†] 3010 has a 22 AWG solid drain wire

- Select cables are available in plenum versions. See plenum section (pages 33—48)
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 5 or more conductors

COLOR CODE

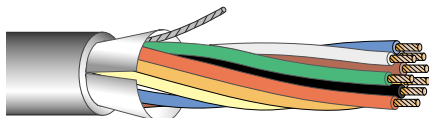
All Cables	Refer to color code chart on page 8
	JACKET: Gray *Conductors 13 and above have <i>PERFECT STRIPE</i> ®

WEST PENN WIRE

Communication and Control Cable

Multiple Conductor 20 AWG/Overall Shielded

featuring the *PERFECT STRIPE*®



DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall shield 100% coverage of aluminum polyester foil with 22 AWG strd. TC drain wire • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
3011	4	20 (7x28) Tinned Copper 10.5 Ω/M	.010	.25	.015	.38	.176	4.47	60	197	108	354
3262	5	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.193	4.90	60	197	108	354
3263	7	20 (7x28) 10.5 Ω/m'	.010	.25	.015	.38	.211	5.36	60	197	108	354
3264	9	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.256	6.50	60	197	108	354
3265	12	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.288	7.32	60	197	108	354
3266	15	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.319	8.10	60	197	108	354
3267	20	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.354	8.99	60	197	108	354

Standard spool size 1000 feet

*Capacitance between conductors.

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

COLOR CODE

Cond. No.	Colors	Cond. No.	Colors
1	Black	11	Pink
2	Red	12	Tan
3	White	13*	White/Black
4	Green	14	White/Red
5	Brown	15	White/Green
6	Blue	16	White/Orange
7	Orange	17	White/Blue
8	Yellow	18	White/Brown
9	Purple	19	White/Yellow
10	Gray	20	White/Purple

JACKET: Gray

*Conductors 13 and above have *PERFECT STRIPE*®

WEST PENN WIRE

Communication and Control Cable

DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall shield 100% coverage of aluminum polyester foil with 20 AWG strd. TC drain wire • Overall PVC jacket



featuring the **PERFECT STRIPE®**



Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
3244	4	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.195	4.95	68	223	122	400
3280	5	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.214	5.44	68	223	122	400
3021	6	18 (7x26) Tinned Copper	.010	.25	.015	.38	.243	6.17	68	223	122	400
3281	7	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.245	6.22	68	223	122	400
3282	9	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.284	7.21	68	223	122	400
3283	12	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.319	8.10	68	223	122	400
3284	15	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.354	8.99	68	223	122	400
3285	20	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.395	10.03	68	223	122	400
3245	4	16 (19x29) 4.2 Ω/M'	.010	.25	.015	.38	.235	5.97	80	262	144	472

Standard spool size 1000 feet

*Capacitance between conductors.

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

Tech Tip:

- ✓ An overall foil shield provides 100% coverage at a low cost. Shielding is typically needed for signal transmission. However, for control circuits, shielding is usually not required.



COLOR CODE

All Cables	Refer to color code chart on page 10
	JACKET: Gray *Conductors 13 and above have PERFECT STRIPE®

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

WEST PENN WIRE

Communication and Control Cable

Combination Gauges/Unshielded



DESCRIPTION

- ASTM bare copper
- PVC insulation • Cabled construction
- PVC fillers as required • Polyester binders as required • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

Catalog No.	No. of Cond.	AWG Size & Stranding	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
385	6	4-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.198	5.03
386	7	5-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.199	5.05
387	8	6-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.211	5.36
388	9	7-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.226	5.74
389	10	8-22 (7x30) 2-18 (7x26)	.010	.25	.015	.38	.255	6.48

Standard spool size 1000 feet

SPECIAL NOTES

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

COLOR CODE

22 AWG Conductors				18 AWG Conductors	
Cond. No.	Colors	Cond. No.	Colors	Cond. No.	Colors
1	Red	5	Orange	1	Black
2	Green	6	Yellow	2	White
3	Brown	7	Purple		
4	Blue	8	Gray		
JACKET: Gray					

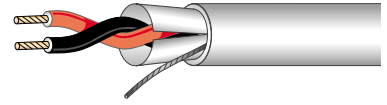
WEST PENN WIRE

Communication and Control Cable

Twisted Pair Overall Shielded/Two Conductor

DESCRIPTION

- ASTM tinned copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall shield 100% coverage of aluminum polyester foil with TC drain wire • Overall PVC jacket



Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
460	2	24 (7x32) 26 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.109	2.77	45	148	81	266
289	2	20 Solid 10.1 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.135	3.43	63	207	114	374
290°	2	22 Solid 17.5 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.123	3.12	54	177	97	318
291°	2	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.131	3.33	55	180	99	325
292° 292D	2	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.142	3.61	60	197	108	354
293°	2	18 (7x26) 6.6 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.159	4.04	68	223	122	400
294	2	16 (19x29) 4.4 Ω/M' 18 Strd. Drain	.010	.25	.015	.38	.182	4.62	80	262	144	472
295[‡] CL3R	2	14 (19x27) BC 2.7 Ω/M' 16 Strd. Drain	.014	.36	.015	.38	.238	6.05	76	249	137	449
296[‡] CL3R	2	12 (19x25) BC 1.7 Ω/M' 16 Strd. Drain	.014	.36	.015	.38	.272	6.91	88	289	158	519

Standard spool size 1000 feet

*Capacitance between conductors.

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

COLOR CODE

Catalog Number	460, 289, 290, 291, 292, 293, 294	292D, 295, 296
Primary Color Code	Black Red	Black White
JACKET: Gray		

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

APPLICATIONS

Indoor for:

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

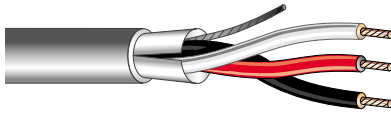
SPECIAL NOTES

- [‡] CL3R only. (UL) or (ETL)us defines type CMR as 26—16 AWG
- ° Available in a variety of Colors See Tech. Reference Section (page 199)
- Select cables are available in plenum versions. See Plenum Section (pages 33—48)
- Select cables are available in outdoor or direct burial versions. See Aquaseal® product line for details
- Select cables are available in our Easybox®

WEST PENN WIRE

Communication and Control Cable

Three Conductor/Overall Shielded



DESCRIPTION

- ASTM tinned copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall shield 100% coverage of aluminum polyester foil with TC drain wire • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or (ETL)us - c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 and 725 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- ‡ CL3R only. (UL) or (ETL)us defines type CMR as 26—16 AWG
- Select cables are available in plenum versions. See Plenum Section (pages 33—48)
- Select cables are available in our Easybox®

Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
300	3	22 Solid 17.5 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.134	3.40	54	177	97	318
301	3	22 (7x30) 17 Ω/M' 24 Strd. Drain	.010	.25	.015	.38	.145	3.68	55	180	99	325
302	3	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.162	4.12	60	197	108	354
303	3	18 (7x26) 6.6 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.178	4.52	68	223	122	400
304	3	16 (19x29) 4.4 Ω/M' 18 Strd. Drain	.010	.25	.015	.38	.206	5.23	80	262	144	472
305[‡] CL3R	3	14 (19x27) Bare Copper 2.7 Ω/M' 16 Strd. Drain	.014	.36	.015	.38	.270	6.86	76	249	137	449
306	3	20 Solid 10.1 Ω/M' 22 Sld. Drain	.010	.25	.015	.38	.149	3.79	63	207	114	374

Standard spool size 1000 feet

*Capacitance between conductors.

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

COLOR CODE

All
Cables

1. Black, 2. Red, 3. White

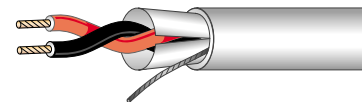
JACKET: Gray

Communication and Control Cable

Overall Shielded /22 AWG Miniature Audio Cable

DESCRIPTION

- ASTM tinned copper • Polypropylene insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall shield 100% coverage of aluminum polyester foil with TC drain wire • Overall PVC jacket



Catalog No.	No. of Cond.	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
450	2	22 Solid 17.5 Ω/M' 22 Solid Drain	.006	.15	.020	.51	.118	3.00	34	112	67	220
451	3	22 Solid 17.5 Ω/M' 22 Solid Drain	.006	.15	.020	.51	.130	3.30	34	112	67	220
452	2	22 (7x30) 17 Ω/M' 24 Strd. Drain	.008	.20	.020	.51	.135	3.43	32	105	58	190

Standard spool size 1000 feet

*Capacitance between conductors.

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

RATING

- NEC Type CM
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

- Intercom Systems
- Broadcast
- Recording
- Sound and Audio
- Power—Limited Control Circuits

SPECIAL NOTES

- Select cables are available in our Easybox®

Tech Tip:

- ✓ Because of their small overall diameter, these miniature audio cables are ideal for equipment rack applications.



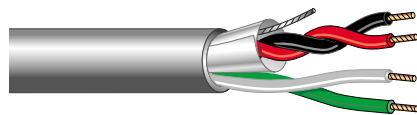
COLOR CODE

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

WEST PENN WIRE

Communication and Control Cable

Sound and Audio/Special Cable



DESCRIPTION

- ASTM tinned copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Shielded pair 100% coverage of aluminum polyester foil with TC drain wire • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- † Shielded pair contains 22 AWG strd. drain wire
- Available in a variety of Colors See Tech. Reference Section (Page 199)
- Select cables are available in plenum versions. See Plenum Section (pages 33—48)
- Select cables are available in outdoor versions. See Aquaseal® product line for details
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 5 or more conductors

Cat. No.	Number of Conductors and Cable Construction	AWG Size & Stranding Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
288	1 Overall Shielded	22 (7x30) 24 Strd. Drain	.010	.25	.015	.38	.091	2.31	55	180	99	325
351	3 (2 Shielded) (1 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.159	4.03	54	177	97	318
352	3 (2 Shielded) (1 Unshielded)	22 (7x30) 24 Strd. Drain	.010	.25	.015	.38	.169	4.29	55	180	99	325
355°	4 (2 Shielded) (2 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.156	3.96	54	177	97	318
356†	4 (2 Shielded) (2 Unshielded)	20 (7x28) 18 (7x26)	.010	.25	.015	.38	.200	5.08	60	197	108	354
357°	4 (2 Shielded) (2 Unshielded)	22 (7x30) 24 Strd. Drain	.010	.25	.015	.38	.168	4.27	55	180	99	325
358	3 (2 Shielded) (1 Unshielded)	20 (7x28) 22 Strd. Drain	.010	.25	.015	.38	.189	4.80	60	197	108	354
359	4 (2 Shielded) (2 Unshielded)	20 (7x28) 22 Strd. Drain	.010	.25	.015	.38	.191	4.85	60	197	108	354
360	4 (2 Shielded) (2 Unshielded)	18 (7x26) 20 Strd. Drain	.010	.25	.015	.38	.209	5.31	68	223	122	400
369	6 (2 Shielded) (4 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.174	4.42	54	177	97	318
370	8 (2 Shielded) (6 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.184	4.67	54	177	97	318
371	12 (2 Shielded) (10 Unshielded)	22 Solid 22 Solid Drain	.010	.25	.015	.38	.237	6.02	54	177	97	318

Standard spool size 1000 feet

*Capacitance between conductors.

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

COLOR CODE		
Catalog Number	288, 351, 352, 355, 356, 357, 358, 359, 360	369, 370, 371
Primary Color Code	SHIELDED: 1. Black, 2. Red UNSHIELDED: 3. White, 4. Green	1. Black, 2. Red, 3. White, 4. Green, 5. Brown 6. Blue, 7. Orange, 8. Yellow, 9. Purple, 10. Gray, 11. Pink, 12. Tan
JACKET: Gray		

WEST PENN WIRE

Communication and Control Cable

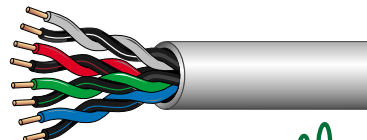
DESCRIPTION

- ASTM bare copper
- PVC insulation • Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

Unshielded /22 AWG Multiple Pair



featuring the **PERFECT Pair®**



Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
251	2	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.179	4.55
252	3	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.193	4.90
253	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.212	5.39
254	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.266	6.76
255	9	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.312	7.93
256	12	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.352	8.94
257	16	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.392	9.96
258	19	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.415	10.54
259	23	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.461	11.71
260	27	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.498	12.65

Standard spool size 1000 feet

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

COLOR CODE

Cond. No.	Paired Colors	Cond. No.	Paired Colors	Cond. No.	Paired Colors
1	Black/Red-Red	10	Red/Blue-Blue	19	White/Blue-Blue
2	Black/White-White	11	Red/Yellow-Yellow	20	White/Yellow-Yellow
3	Black/Green-Green	12	Red/Brown-Brown	21	White/Brown-Brown
4	Black/Blue-Blue	13	Red/Orange-Orange	22	White/Orange-Orange
5	Black/Yellow-Yellow	14	Green/White-White	23	Blue/Yellow-Yellow
6	Black/Brown-Brown	15	Green/Blue-Blue	24	Blue/Brown-Brown
7	Black/Orange-Orange	16	Green/Yellow-Yellow	25	Blue/Orange-Orange
8	Red/White-White	17	Green/Brown-Brown	26	Brown/Yellow-Yellow
9	Red/Green-Green	18	Green/Orange-Orange	27	Brown/Orange-Orange

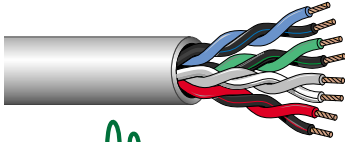
JACKET: Gray

WEST PENN WIRE

Communication and Control Cable

Multiple Pair 22 AWG/Unshielded

featuring the **PERFECT Pair®**



DESCRIPTION

- ASTM bare copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

Catalog No.	No. of Pairs	AWG Size & Stranding	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
651	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.197	5.00
652	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.210	5.33
653	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.230	5.84
654	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.289	7.34
655	9	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.340	8.64
656	12	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.384	9.75
657	16	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.428	10.87

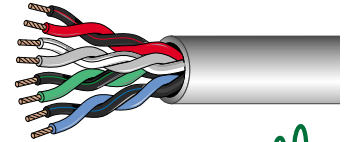
Standard spool size 1000 feet

COLOR CODE

Pair No.	Paired Colors	Pair No.	Paired Colors
1	Black/Red-Red	9	Red/Green-Green
2	Black/White-White	10	Red/Blue-Blue
3	Black/Green-Green	11	Red/Yellow-Yellow
4	Black/Blue-Blue	12	Red/Brown-Brown
5	Black/Yellow-Yellow	13	Red/Orange-Orange
6	Black/Brown-Brown	14	Green/White-White
7	Black/Orange-Orange	15	Green/Blue-Blue
8	Red/White-White	16	Green/Yellow-Yellow
JACKET: Gray			

Communication and Control Cable

Unshielded /20 and 18 AWG Multiple Pair
featuring the **PERFECT PAIR®**



DESCRIPTION

- ASTM bare copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
151	2	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.223	5.66
152	3	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.248	6.30
153	4	20 (7x28) 10.5 Ω/M'	.010	.25	.015	.38	.272	6.91
154	6	20 (7x28) 10.5 Ω/M'	.010	.25	.020	.51	.328	8.33

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
751	2	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.248	6.30
752	3	18 (7x26) 6.2 Ω/M'	.010	.25	.015	.38	.275	6.99
753	4	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.302	7.67
754	6	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.366	9.30
755	9	18 (7x26) 6.2 Ω/M'	.010	.25	.020	.51	.432	10.97

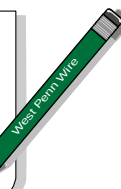
Standard spool size 1000 feet

COLOR CODE

All Cables	Refer to page 18
	JACKET: Gray

Tech Tip:

- ✓ The **PERFECT PAIR®** matches the **PERFECT STRIPE®** on one conductor with the conductor insulation of the same color, so you always know which conductors are paired.

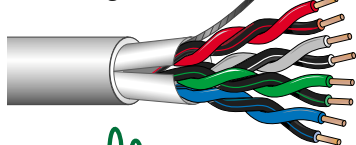


WEST PENN WIRE

Communication and Control Cable

Multiple Pair 22 AWG/Overall Shielded

featuring the **PERFECT Pair®**



DESCRIPTION

- ASTM bare copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall shielded 100% coverage of aluminum polyester foil with 24 AWG strd. TC drain wire • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
3251	2	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.185	4.70	54	177	97	318
3252	3	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.197	5.00	54	177	97	318
3253	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.216	5.49	54	177	97	318
3254	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.270	6.86	54	177	97	318
3255	9	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.316	8.03	54	177	97	318
3256	12	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.356	9.04	54	177	97	318
3257	16	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.396	10.06	54	177	97	318
3258	19	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.418	10.62	54	177	97	318
3259	23	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.464	11.79	54	177	97	318
3260	27	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.505	12.83	54	177	97	318

Standard spool size 1000 feet

*Capacitance between conductors.

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

COLOR CODE

All
Cables

Refer to page 21

JACKET: Gray

Communication and Control Cable

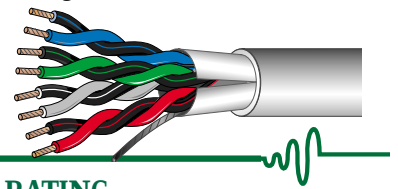
DESCRIPTION

- ASTM bare copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall shielded 100% coverage of aluminum polyester foil with 24 AWG strd. TC drain wire • Overall PVC jacket

Overall Shielded /22 AWG Multiple Pair



featuring the **PERFECT Pair®**



Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
3651	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.201	5.11	55	180	99	325
3652	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.214	5.44	55	180	99	325
3653	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.244	6.20	55	180	99	325
3654	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.293	7.44	55	180	99	325
3655	9	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.343	8.71	55	180	99	325
3656	12	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.388	9.86	55	180	99	325
3657	16	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.432	10.97	55	180	99	325

Standard spool size 1000 feet

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

COLOR CODE

Pair No.	Paired Colors	Pair No.	Paired Colors
1	Black/Red-Red	15	Green/Blue-Blue
2	Black/White-White	16	Green/Yellow-Yellow
3	Black/Green-Green	17	Green/Brown-Brown
4	Black/Blue-Blue	18	Green/Orange-Orange
5	Black/Yellow-Yellow	19	White/Blue-Blue
6	Black/Brown-Brown	20	White/Yellow-Yellow
7	Black/Orange-Orange	21	White/Brown-Brown
8	Red/White-White	22	White/Orange-Orange
9	Red/Green-Green	23	Blue/Yellow-Yellow
10	Red/Blue-Blue	24	Blue/Brown-Brown
11	Red/Yellow-Yellow	25	Blue/Orange-Orange
12	Red/Brown-Brown	26	Brown/Yellow-Yellow
13	Red/Orange-Orange	27	Brown/Orange-Orange
14	Green/White-White		
JACKET: Gray			

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

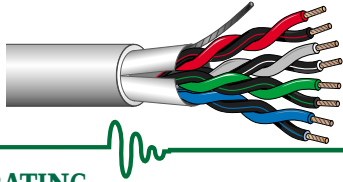
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs

WEST PENN WIRE

Communication and Control Cable

Multiple Pair 20 and 18 AWG/Overall Shielded

featuring the **PERFECT Pair®**



DESCRIPTION

- ASTM bare copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Overall shielded 100% coverage of aluminum polyester foil with strd. TC drain wire • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
3151	2	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.227	5.77	60	197	108	354
3152	3	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.252	6.40	60	197	108	354
3153	4	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.015	.38	.276	7.01	60	197	108	354
3154	6	20 (7x28) 10.5 Ω/M' 22 Strd. Drain	.010	.25	.020	.51	.332	8.43	60	197	108	354
3751	2	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.252	6.40	68	223	122	400
3752	3	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.279	7.09	68	223	122	400
3753	4	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.015	.38	.306	7.77	68	223	122	400
3754	6	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.020	.51	.369	9.37	68	223	122	400
3755	9	18 (7x26) 6.2 Ω/M' 20 Strd. Drain	.010	.25	.020	.51	.436	11.07	68	223	122	400

Standard spool size 1000 feet

*Capacitance between conductors.

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

COLOR CODE

All
Cables

Refer to page 23

JACKET: Gray

WEST PENN WIRE

Communication and Control Cable

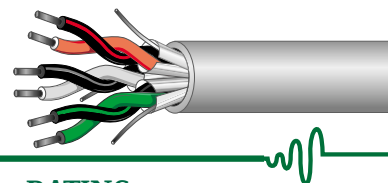
DESCRIPTION

- ASTM tinned copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Each pair shielded 100% coverage of aluminum polyester foil with 22 AWG solid TC drain wire • Overall PVC jacket

Each Pair Shielded/22 AWG Multiple Pair Cable



featuring the **PERFECT Pair®**



Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
420	2	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.195	4.95	54	177	97	318
421	3	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.207	5.26	54	177	97	318
429	4	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.228	5.80	54	177	97	318
422	6	22 Solid 17.5 Ω/M'	.010	.25	.015	.38	.285	7.24	54	177	97	318
423	9	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.336	8.53	54	177	97	318
424	12	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.379	9.63	54	177	97	318
425	15	22 Solid 17.5 Ω/M'	.010	.25	.020	.51	.423	10.47	54	177	97	318

Standard spool size 1000 feet

*Capacitance between conductors.

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

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

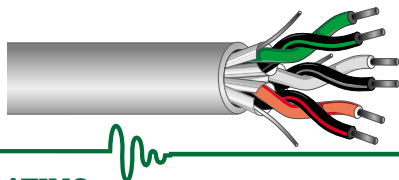
COLOR CODE

Pair No.	Paired Colors	Pair No.	Paired Colors
1	Black/Red-Red	9	Red/Green-Green
2	Black/White-White	10	Red/Blue-Blue
3	Black/Green-Green	11	Red/Yellow-Yellow
4	Black/Blue-Blue	12	Red/Brown-Brown
5	Black/Yellow-Yellow	13	Red/Orange-Orange
6	Black/Brown-Brown	14	Green/White-White
7	Black/Orange-Orange	15	Green/Blue-Blue
8	Red/White-White		
JACKET: Gray			

Communication and Control Cable

Multiple Pair Cable 22 AWG/Each Pair Shielded

featuring the **PERFECT Pair®**



DESCRIPTION

- ASTM tinned copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Each pair shielded 100% coverage of aluminum polyester foil with 24 AWG strd. TC drain wire • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

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

Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
430	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.210	5.33	55	180	99	325
431	3	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.224	5.69	55	180	99	325
439	4	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.256	6.50	55	180	99	325
432	6	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.308	7.82	55	180	99	325
433	9	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.363	9.22	55	180	99	325
434	12	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.411	10.44	55	180	99	325
435	15	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.459	11.66	55	180	99	325
436	19	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.685	17.40	55	180	99	325
438	27	22 (7x30) 17 Ω/M'	.010	.25	.020	.51	.755	19.18	55	180	99	325

Standard spool size 1000 feet

*Capacitance between conductors.

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

COLOR CODE	
All Cables	Refer to page 25
	JACKET: Gray

Communication and Control Cable

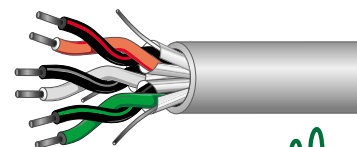
DESCRIPTION

- ASTM tinned copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Each pair shielded 100% coverage of aluminum polyester foil with 20 AWG strd. TC drain wire • Overall PVC jacket

Each Pair Shielded/**18 AWG Multiple Pair Cable**



featuring the **PERFECT Pair®**



Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
440	2	18 (7x26) 6.6 Ω/M'	.010	.25	.015	.38	.271	6.88	68	223	122	400
441	3	18 (7x26) 6.6 Ω/M'	.010	.25	.015	.38	.289	7.34	68	223	122	400
442	4	18 (7x26) 6.6 Ω/M'	.010	.25	.020	.51	.318	8.08	68	223	122	400
444	6	18 (7x26) 6.6 Ω/M'	.010	.25	.020	.51	.385	9.78	68	223	122	400

Standard spool size 1000 feet

*Capacitance between conductors.

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

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- For plenum versions of 440, see 25440 on page 47 or 25440B on page 39
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 3 or more pairs

COLOR CODE

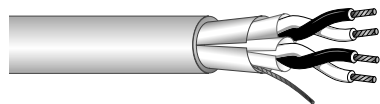
Pair No.	Paired Colors	Pair No.	Paired Colors
1	Black/Red-Red	15	Green/Blue-Blue
2	Black/White-White	16	Green/Yellow-Yellow
3	Black/Green-Green	17	Green/Brown-Brown
4	Black/Blue-Blue	18	Green/Orange-Orange
5	Black/Yellow-Yellow	19	White/Blue-Blue
6	Black/Brown-Brown	20	White/Yellow-Yellow
7	Black/Orange-Orange	21	White/Brown-Brown
8	Red/White-White	22	White/Orange-Orange
9	Red/Green-Green	23	Blue/Yellow-Yellow
10	Red/Blue-Blue	24	Blue/Brown-Brown
11	Red/Yellow-Yellow	25	Blue/Orange-Orange
12	Red/Brown-Brown	26	Brown/Yellow-Yellow
13	Red/Orange-Orange	27	Brown/Orange-Orange
14	Green/White-White		

JACKET: Gray

Communication and Control Cable

Special Purpose Cable/Individually Shielded Pairs with Overall Shield

DESCRIPTION



- ASTM tinned copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Each pair shielded with aluminum polyester foil. See below for details • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- For plenum versions of 510, see 25510 on page 47 or 25510B on page 39
- Select cables are available in our Easybox®

Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
510	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.214	5.44	55	180	99	325

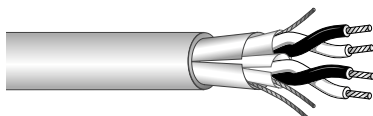
Standard spool size 1000 feet

*Capacitance between conductors.

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

Employs individually shielded pairs plus overall shield with one 24 AWG strd. drain wire common to all shields to ensure greater shielding and lower DC resistance.

COLOR CODE	
510	Black/Red, White/Green
	JACKET: Gray



Catalog No.	No. of Pairs	AWG Size & Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.		Nominal Capacitance			
			inch	mm	inch	mm	inch	mm	pf/ft *	pf/m *	pf/ft **	pf/m **
511	2	22 (7x30) 17 Ω/M'	.010	.25	.015	.38	.214	5.44	55	180	99	325

Standard spool size 1000 feet

*Capacitance between conductors.

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

Employs individually shielded pairs with a 24 AWG strd. drain wire for each pair plus an overall shield with 24 AWG strd. drain wire.

COLOR CODE	
511	Black/Red, White/Green
	JACKET: Gray

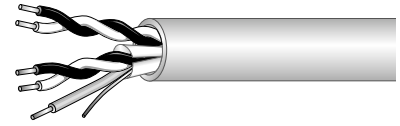
Communication and Control Cable

DESCRIPTION

- ASTM tinned copper • PVC insulation
- Short overall twist lengths • PVC fillers as required
- Polyester binders as required • Shielded component 100% coverage of aluminum polyester foil with TC drain wire • Overall PVC jacket



Special Purpose Cable



Catalog No.	No. of Cond.	Cable Construction	AWG Size & Stranding Nom. D.C.R. Drain Wire	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
				inch	mm	inch	mm	inch	mm
372	5	1 Pair + 1 Cond. Shielded 1 Unshld. Pair	22 Solid 17.5 Ω/M' 22 Solid Drain	.010	.25	.015	.38	.212	5.39
373	6	1 Shielded Pair 2 Unshld. Pairs	22 Solid 17.5 Ω/M' 22 Solid Drain	.010	.25	.015	.38	.198	5.03
374	4	1 Unshld. Pair 1 Unshld. Pair	18 (7x26) 22 (7x30)	.010	.25	.015	.38	.222	5.64

Standard spool size 1000 feet

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

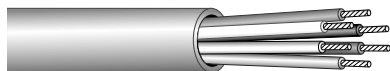
SPECIAL NOTES

- For plenum versions of 372, see 25372B on page 38 or 25372 on page 48
- Select cables are available in our Easybox®
- Orange ripcord included on cables containing 5 or more conductors

COLOR CODE			
Catalog Number	372	373	374
Primary Color Code	Black/Red & White under shield with Black/Green outside of shield	SHIELDED PAIR: Black/Red UNSHIELDED PAIRS: Black/Green & Black/White outside of shield	18 AWG: Black/White 22 AWG: Red/Green
	JACKET: Gray		

Communication and Control Cable

Special Purpose Cable/Unshielded



DESCRIPTION

- ASTM bare copper • PVC insulation
- Cabled construction • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- For plenum versions of 950, see 25950 on page 45
- Select cables are available in our Easybox®
- Orange ripcord under jacket

Catalog No.	No. of Cond.	AWG Size and Construction	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
950	6	3-16 AWG (19x29) 3-20 AWG (7x28)	.010	.25	.015	.38	.238	6.05
951	8	3-16 AWG (19x29) 5-20 AWG (7x28)	.010	.25	.015	.38	.260	6.60

Standard spool size 1000 feet

Tech Tip:

- ✓ These special purpose cables were designed for applications that require control circuits and signal transmission within the same cable.



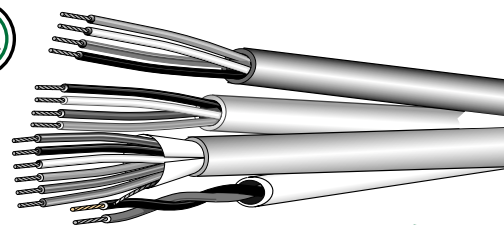
COLOR CODE	
Catalog Number	950, 951
Primary Color Code	20 AWG: 1. Green, 2. Blue, 3. Purple, 4. White, 5. Gray 16 AWG: 1. Black, 2. Red, 3. Yellow
JACKET: Gray	

Communication and Control Cable

Shielded and Unshielded/Special Purpose Cable

DESCRIPTION

- ASTM bare copper • PVC insulation • Cabled construction
- PVC fillers as required • Polyester binders as required
- See cable construction for shield details • Overall PVC jacket



Access Control Composite Cable



Catalog No.	NEC Type	Cables	Application	Nom. Jacket O.D. & Color
AC1822 NEW		2 Cond. 18 Awg. 4 Cond. 18 Awg. 4 Cond. 22 Awg. 6 Cond. 22 Awg. Shielded	Door Contact Lock Power Request To Exit Card Reader Cable	.440 inch 11.38 mm Overall Blue PVC Jacket
LS1822 NEW		2 Cond. 18 Awg. 4 Cond. 18 Awg. 4 Cond. 22 Awg. 6 Cond. 22 Awg. Shielded	Door Contact Lock Power Request To Exit Card Reader Cable	.440 inch 11.38 mm LICKITY SPLIT BONDLED DESIGN
LS251822 NEW		2 Cond. 18 Awg. 4 Cond. 18 Awg. 4 Cond. 22 Awg. 6 Cond. 22 Awg. Shielded	Door Contact Lock Power Request To Exit Card Reader Cable	.440 inch 11.38 mm LICKITY SPLIT BONDLED DESIGN

Conductor Color Code

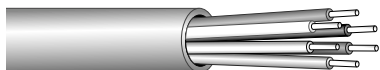
1. Black, 2. Red, 3. White, 4. Green, 5. Brown, 6. Blue

Jacket Color Code

Door Contact Cable	White
Lock Power Cable	Gray
Request to Exit Cable	Blue
Card Reader Cable	Orange

Communication and Control Cable

Station Wire/Unshielded



DESCRIPTION

- ASTM bare copper
- PVC insulation • Cabled construction • PVC fillers as required
- Polyester binders as required • Overall PVC jacket

RATING

- NEC Type CMR
- (UL)- C(UL) Listed or c(ETL)us Listed
- Meets 300 volt requirements as specified in Article 800 of the NEC

APPLICATIONS

Indoor for:

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

SPECIAL NOTES

- † No ripcord on 392, 394
- Select cables are available in our Easybox®

Catalog No.	No. of Cond.	AWG Size and Stranding	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
392 [†]	4	22 Solid	.010	.25	.015	.38	.142	3.61
394 [†]	6	22 Solid	.010	.25	.015	.38	.169	4.29

Standard Spool Size 1000 Feet

Tech Tip:

- ✓ This station wire is color coded for proper termination of standard telephone circuits.



COLOR CODE

All Cables

1. Black, 2. Green, 3. Yellow, 4. Black, 5. White, 6. Blue

JACKET: Gray

Communication and Control Cable

Twisted Pair Unjacketed/Cluster Speaker Cable

DESCRIPTION

- ASTM bare copper
- PVC insulation with nylon
- Short overall twist lengths • Unjacketed



Catalog No.	No. of Cond.	AWG Size and Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. O.D.	
			inch	mm	inch	mm
C205	2	16 (19x29) 4.2 Ω /M'	.015 PVC .005 Nylon	.38 .13	.194	4.93
C206	2	14 (41x30) 2.7 Ω /M'	.015 PVC .005 Nylon	.38 .13	.222	5.64
C207	2	12 (65x30) 1.7 Ω /M'	.015 PVC .005 Nylon	.38 .13	.260	6.60

Standard spool size 1000 feet

RATING

- NEC type CL2
- (UL) or (ETL)us Listed

APPLICATIONS

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

Tech Tip:

- ✓ Cluster speaker cable is CL2 rated to meet the NEC Code. The unjacketed versions offers a high degree of flexibility for speaker applications.



COLOR CODE

All Cables

1. Black, 2. White

Communication and Control Cable

Cluster Speaker Cable/Twisted Pair



DESCRIPTION

- ASTM bare copper
- PVC insulation with nylon
- Short overall twist lengths
- PVC sunlight resistant jacket

RATING

- NEC type TC
- (UL) Listed
- Class 1 600 Volts
- Approved for direct burial and outdoor use

Catalog No.	No. of Cond.	AWG Size and Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
C210	2	10 (65x28) 1.10 Ω /M'	.020 PVC .005 Nylon	.47 .13	.047	1.19	.357	9.07

Standard spool size 1000 feet

COLOR CODE

C210

1. Black, 2. White

JACKET: Gray

Cluster Speaker Cable/Twisted Pair



DESCRIPTION

- ASTM bare copper
- Insulation (HA210) Polyolefin, (25210) Fluoropolymer
- Twisted Pair construction
- Overall jacket

RATING

- HA210 - NEC type CL2
- 25210 - NEC type CL2P
- (UL) or (ETL)us listed

Catalog No.	No. of Cond.	AWG size and Stranding Nom. D.C.R.	Nom. Insulation Thickness		Nom. Jacket Thickness		Nom. O.D.	
			inch	mm	inch	mm	inch	mm
HA210 	2	10 (65x28) 1.10 Ω /M	.012	.31	.020	.47	.275	6.99
25210 	2	10 (65x28) 1.10 Ω /M	.008	.20	.015	.38	.275	6.99

Standard spool size 1000 feet

APPLICATIONS

- Sound and Audio
- Power Limited Control Circuits

COLOR CODE

Conductors: 1. Black, 2. White

HA210
25210

JACKET: Gray

JACKET: Ivory