

### PAIRED — UNJACKETED

**PVC**

**Stranded and Solid Conductors**

Listed as Misc. Wire

**APPLICATIONS:**

Burglar alarm systems wiring; to sensors, control.



**SPECIFICATIONS:**

1. CONDUCTOR: Stranded copper conductors (1/c tinned + 1/c bare) — typical. (7-wire construction).
2. INSULATION: Polyvinyl chloride (PVC).
3. COLOR CODE: Available: White, Brown or Clear.
4. STANDARDS: Listed misc. wires.
5. TEMPERATURE: 80°C
6. VOLTAGE: 300 Volts

Anixter Number	Paired Conductors			Insulation Thickness	Nominal O.D.
	AWG	Strand	No.	IN	IN
<a href="#">320-187-2202</a>	22	7 x 30	1	.025	.160
<a href="#">320-187-2002</a>	20	10 x 30	1	.025	.170
<a href="#">320-187-1902</a>	19	Solid	1	.025	.170
<a href="#">320-187-1802</a>	18	16 x 30	1	.025	.190
<a href="#">320-187-1602</a>	16	19 x 29	1	.025	.205

### MULTI CONDUCTOR — JACKETED

PVC/PVC  
Stranded Conductors

**APPLICATIONS:**  
Burglar alarm cables.



**SPECIFICATIONS:**

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Polyvinyl chloride (PVC).
3. OVERALL JACKET: Polyvinyl chloride (PVC).
4. TEMPERATURE: 60°C
5. VOLTAGE: 300 Volts

Anixter Number	Conductor Size			Insulation Thickness	Overall Jacket Thickness	Nominal O.D.
	AWG	Strand	No.	IN	IN	IN
314-010-2202	22	7 x 30	2	.009	.020	.145
314-010-2203	22	7 x 30	3	.009	.020	.145
314-010-2204	22	7 x 30	4	.009	.025	.166
314-010-2206	22	7 x 30	6	.009	.025	.185
314-010-2208	22	7 x 30	8	.009	.025	.209
314-010-2210	22	7 x 30	10	.009	.028	.231
314-010-2212	22	7 x 30	12	.009	.030	.251
314-010-2004	20	7 x 28	4	.010	.025	.190
314-010-1802	18	16 x 30	2	.015	.025	.206
314-010-1803	18	16 x 30	3	.015	.025	.220
314-010-1804	18	16 x 30	4	.015	.025	.238

# PARALLEL (ZIP CORD)

**PVC  
Solid Conductor  
FPL, FPLR, FPLP, UL Listed**

**APPLICATIONS:**

For use in power limited fire and burglar alarms and smoke detectors and security systems.

**SPECIFICATIONS:**

1. CONDUCTOR: Stranded bare copper.
2. INSULATION: Polyvinyl chloride (PVC) or PVC alloy.
3. STANDARDS: NEC FPL, FPLR or FPLP, UL listed.
4. TEMPERATURE: -20°C to 60°C, dry locations.

Anixter Number	Conductor Size	Rating	Insulation Type	Insulation Thickness	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	AWG			IN	IN	
9C180206-03	18	FPL	Red PVC	.032	.104 x .204	21
9C160206-03	16	FPL	Red PVC	.032	.115 x .225	28
9C140206-03	14	FPL	Red PVC	.032	.128 x .256	39
145788	18	FPLR	Red PVC	.032	.104 x .204	21
145787	18	FPLP	Red FRPVC	.032	.104 x .204	21
145782	16	FPLP	Red FRPVC	.032	.115 x .225	28

NOTE: Diameters and weights may vary slightly between manufacturers.

# FIRE ALARM NONSHIELDED PLENUM AND NONPLENUM

**PVC  
Solid Conductor  
FPLR, FPLP, UL Listed**

**APPLICATIONS:**  
For use in power limited fire and burglar alarms and smoke detectors and security systems.

- SPECIFICATIONS:**
1. CONDUCTOR: Solid bare copper.
  2. INSULATION: Polyvinyl chloride (PVC) or PVC or FRPVC alloy, red PVC or PVC alloy jacket.
  3. OVERALL JACKET: PVC or FRPVC.
  4. STANDARDS: NEC FPLR or FPLP, UL listed.
  5. TEMPERATURE: 75°C

**Shielded also available**

Anixter Number	Conductor Size	Number of Conductors	Rating	Insulation Type	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.
	AWG				IN	IN	IN	
FA-1202C-1-1N-XX	12	2	FPLR	FRPVC	.013	.015	.247	59.3
FA-1202C-1-2N-XX	12	2	FPLP	PVC	.011	.015	.239	60.6
FA-1402C-1-1N-XX	14	2	FPLR	FRPVC	.013	.015	.213	38.6
FA-1402C-1-2N-XX	14	2	FPLP	PVC	.011	.015	.205	39
FA-1403C-1-1N-XX	14	3	FPLR	FRPVC	.013	.015	.251	71.9
FA-1403C-1-2N-XX	14	3	FPLP	PVC	.011	.015	.241	74.4
FA-1602C-1-1N-XX	16	2	FPLR	FRPVC	.010	.015	.174	25.3
FA-1602C-1-2N-XX	16	2	FPLP	PVC	.010	.015	.174	27.5
FA-1604C-1-1N-XX	16	4	FPLR	FRPVC	.010	.015	.204	46.6
FA-1604C-1-2N-XX	16	4	FPLP	PVC	.010	.015	.204	48.1
FA-1802C-1-1N-XX	18	2	FPLR	FRPVC	.010	.015	.151	17.4
FA-1802C-1-2N-XX	18	2	FPLP	PVC	.010	.015	.151	18.2
FA-1804C-1-1N-XX	18	4	FPLR	FRPVC	.010	.015	.176	30.4
FA-1804C-1-2N-XX	18	4	FPLP	PVC	.010	.015	.176	31.6
FA-1806C-1N-XX	18	6	FPLR	FRPVC	.010	.015	.211	44.6
FA-1806C-2N-XX	18	6	FPLP	PVC	.010	.015	.211	46.2
FA-1808C-1N-XX	18	8	FPLR	FRPVC	.010	.015	.230	57.8
FA-1808C-2N-XX	18	8	FPLP	PVC	.010	.015	.230	59.8
FA-2204C-1N-XX	22	4	FPLR	FRPVC	.010	.015	.141	16.5
FA-2204C-2N-XX	22	4	FPLP	PVC	.009	.015	.136	15.8

NOTE: Diameters and weights may vary slightly between manufacturers.

## LOW CAPACITANCE (SHIELDED)

**PVC  
Solid Conductor  
FPL, UL Listed**

**APPLICATIONS:**

For use in power limited fire and burglar alarms and smoke detectors and security systems.

**SPECIFICATIONS:**

1. CONDUCTOR: Solid bare copper.
2. INSULATION: Polyvinyl chloride (PVC), red PVC jacket.
3. OVERALL JACKET: Polyvinyl chloride (PVC).
4. COLOR CODE: Red, Black, Yellow, Blue.
5. SHIELD: Aluminum/Mylar with tinned copper drain wire.
6. STANDARDS: NEC FPL, UL listed.
7. CAPACITANCE: 25–30 pF/FT.
8. TEMPERATURE: –20°C to 60°C, dry locations.

Anixter Number	Conductor Size	Number of Conductors	Rating	Insulation Type	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.
	AWG				IN	IN	IN	
158367	18	2	FPL	PVC	.015	.020	.203	26
158356	18	3	FPL	PVC	.015	.020	.214	33
158354	18	4	FPL	PVC	.015	.020	.232	40
158346	16	2	FPL	PVC	.017	.020	.233	35
158366	14	2	FPL	PVC	.020	.025	.279	50

NOTE: Diameters and weights may vary slightly between manufacturers.

# LOW VOLTAGE-SECURITY/ALARM PLENUM

**PVC**
**Bare Copper Conductor**
**UL Listed, UL NEC Type, CMP, CL2P**
**APPLICATIONS:**

For use in Broadcast, Sound/Audio applications as well as Intercom/P.A and Power Limited Controls.

**SPECIFICATIONS:**

1. CONDUCTOR: Bare Copper.
2. INSULATION: FRPVC.
3. OVERALL JACKET: FRPVC.
4. STANDARDS: UL Type CMP or CL2P,  
CMP: 22–16 AWG, CL2P: 14–12 AWG,  
NEC Article(s) 800, 725
5. TEMPERATURE: 75°C.

**Shielded also available**

Anixter Number	Conductor Size	Number of Conductors	No. of Strands	Rating	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.
	AWG				IN	IN	IN	
<a href="#">AL-1202C-2-2N-01</a>	12	2	19	CL2P	.011	.015	.273	68.6
<a href="#">AL-1402C-2-2N-XX</a>	14	2	19	CL2P	.011	.015	.229	53.7
<a href="#">AL-1403C-2-2N-XX</a>	14	3	19	CL2P	.011	.015	.253	68.0
<a href="#">AL-1602C-2-2N-XX</a>	16	2	19	CMP	.009	.015	.185	33.4
<a href="#">AL-1603C-2-CN-XX</a>	16	3	19	CMP	.009	.015	.197	45.5
<a href="#">AL-1604C-2-2N-XX</a>	16	4	19	CMP	.009	.015	.215	55.3
<a href="#">AL-1802C-1-2N-XX</a>	18	2	Solid	CMP	.009	.015	.153	21.8
<a href="#">AL-1802C-2-2N-XX</a>	18	2	7	CMP	.009	.015	.155	23.7
<a href="#">AL-1803C-2-2N-XX</a>	18	3	7	CMP	.009	.015	.175	29.9
<a href="#">AL-1804C-2-2N-XX</a>	18	4	7	CMP	.009	.015	.192	37.4
<a href="#">AL-1805C-2-2N-XX</a>	18	5	7	CMP	.009	.015	.211	45.5
<a href="#">AL-1806C-2-2N-XX</a>	18	6	7	CMP	.009	.015	.230	60.0
<a href="#">AL-1808C-2-2N-XX</a>	18	8	7	CMP	.009	.015	.252	64.4
<a href="#">AL-1809C-2-2N-XX</a>	18	9	7	CMP	.009	.015	.273	72.8
<a href="#">AL-2202C-2-2N-XX</a>	22	2	7	CMP	.009	.015	.131	16.5

NOTE: Diameters and weights may vary slightly between manufacturers.

# LOW VOLTAGE-SECURITY/ALARM NONPLENUM

**PVC**
**Bare Copper Conductor  
UL NEC Type, CMR, CL3R**
**APPLICATIONS:**

For use in Broadcast, Sound/Audio applications as well as Intercom/P.A and Power Limited Controls.

**SPECIFICATIONS:**

1. CONDUCTOR: Bare copper.
2. INSULATION: PVC.
3. OVERALL JACKET: PVC.
4. STANDARDS: UL NEC Type CMR or CL3R,  
CMR: 22–16 AWG, CLR: 14–12 AWG,  
NEC Article(s) 800, 725
5. TEMPERATURE: 75°C.

**Shielded also available**

Anixter Number	Conductor Size	Number of Conductors	No. of Strands	Rating	Insulation Thickness	Overall Jacket Thickness	Nominal O.D.	Approx. Wt. Lbs. 1000 Ft.
	AWG				IN	IN	IN	
AL-1202C-2-1N-XX	12	2	19	CL3R	.014	.015	.270	68.0
AL-1203C-2-1N-XX	12	3	19	CL3R	.014	.015	.284	82.6
AL-1402C-2-1N-XX	14	2	19	CL3R	.014	.015	.238	40.2
AL-1403C-2-1N-XX	14	3	19	CL3R	.014	.015	.249	58.1
AL-1404C-2-1N-XX	16	4	19	CL3R	.014	.015	.276	74.6
AL-1602C-2-1N-XX	16	2	19	CMR	.010	.015	.186	32.9
AL-1603C-2-1N-XX	16	4	19	CMR	.010	.015	.193	35.7
AL-1604C-2-1N-XX	16	4	19	CMR	.010	.015	.217	58.0
AL-1802C-1-1N-XX	18	2	Solid	CMR	.010	.015	.155	17.1
AL-1802C-2-1N-XX	18	2	7	CMR	.010	.015	.165	17.1
AL-1803C-2-1N-XX	18	2	7	CMR	.010	.015	.171	25.4
AL-1804C-2-1N-XX	18	4	7	CMR	.010	.015	.188	32.3
AL-1805C-2-1N-XX	18	5	7	CMR	.010	.015	.207	40.8
AL-1806C-2-1N-XX	18	6	7	CMR	.010	.015	.226	52.7
AL-1808C-2-1N-XX	18	8	7	CMR	.010	.015	.269	61.2
AL-2202C-2-1N-XX	22	2	7	CMR	.010	.015	.130	11.5

NOTE: Diameters and weights may vary slightly between manufacturers.

## ECHELON LONWORKS

**APPLICATIONS:**

Interface cables for “LonWorks” chip.

Anixter Number	Conductor Size	Number of Pairs	Shielding	Usage
	AWG			
9D220150	22	1	Nonshielded	Nonplenum
9F220154	22	1	Shielded	Nonplenum
9D220250	22	2	Nonshielded	Nonplenum
9F220254	22	2	Shielded	Nonplenum
9H2201504	22	1	Nonshielded	Plenum
9J2201544	22	1	Shielded	Plenum
9H2202504	22	2	Nonshielded	Plenum
9J2202544	22	2	Shielded	Plenum

## HONEYWELL

**APPLICATIONS:**

Building control cables.

\*K3600, AK3700 and AK3900 series cables are available upon request.

## JOHNSON CONTROLS

**APPLICATIONS:**

Building control, alarm and sensor cables.

\*All riser and plenum rated fire alarm cables.  
\*Metasys sensor and relay, N1 and N2 Bus cables.



## PT, PBT, PJT

Low Voltage  
Solid Copper Multi Conductor

### APPLICATIONS:

For use with thermostatic controls in connection with heating and air-conditioning installations. Type PJT may also be used for bell and annunciator systems.



### SPECIFICATIONS:

1. CONDUCTOR: Solid copper, color-coded thermoplastic insulation, conductors twisted.
2. OVERALL JACKET: Overall no jacket, or braid waxed jacket, or plastic jacket, as applicable.

### PT PLASTIC INSULATION — NO OVERALL JACKET

Anixter Number	Conductor Size	Number of Conductors	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	AWG		IN	
6T-1802T	18	2	.140	14
6T-1803T	18	3	.145	21
6T-1804T	18	4	.165	27
6T-1805T	18	5	.185	33
6T-1806T	18	6	.205	43
6T-1807T	18	7	.205	49
6T-1808T	18	8	.230	55

### PTB PLASTIC INSULATION — BRAID WAXED JACKET

Anixter Number	Conductor Size	Number of Conductors	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	AWG		IN	
6T-1802B	18	2	.180	18
6T-1803B	18	3	.195	24
6T-1804B	18	4	.215	33
6T-1805B	18	5	.235	40
6T-1806B	18	6	.260	47
6T-1807B	18	7	.260	56
6T-1808B	18	8	.270	63

### PJT PLASTIC INSULATION — PLASTIC JACKET

Anixter Number	Conductor Size	Number of Conductors	Nominal O.D.	Approximate Weight Lbs. 1000 Ft.
	AWG		IN	
6T-1802J	18	2	.170	20
6T-1803J	18	3	.175	28
6T-1804J	18	4	.205	36
6T-1805J	18	5	.225	42
6T-1806J	18	6	.225	50
6T-1807J	18	7	.240	56
6T-1808J	18	8	.265	65