

# Cable

— PAGE/PARTY® SYSTEMS • SMARTSERIES SYSTEMS

# Selection

— CENTRA-PAGE SYSTEMS • ELECTRO-SOUND SYSTEMS

# Guide

— SPEAKER CABLE

GAI-Tronics cable optimizes the performance of GAI-Tronics' communication systems

Color-coding for ease of installation:  
correct conductors can be quickly identified

Cable configuration minimizes crosstalk: the ideal number of twists per foot (overlay) eliminates interference (crosstalk)



**G**AI-Tronics' cables are specially designed to optimize GAI-Tronics' communications system performance. Suitable for speaker wiring, conducting power, and many other uses, cables are available in many configurations to provide long-lasting and dependable service. The reference chart provides information regarding cable and system compatibility. The individual product listings detail the basic construction, maximum OD and approvals for each model of cable.

## 60029 System Cable

**Applications:** Page/Party® and SmartSeries systems with up to five party lines; complete with power and communication conductors.

**Basic Cable:** Sixteen-conductor, one twisted pair 14 AWG for power, one 14 AWG conductor for ground, one twisted pair 18 AWG for the page line, five twisted pairs 18 AWG for the party lines and one 18 AWG control conductor. Minimum bending radius for basic cable is 3.6 in. (91.4 mm).

**Construction:** PVC/nylon insulation and PVC jacket, rated 600 V type TC.

**Approvals:** UL-listed (Subject 1277) for indoor/outdoor installations in cable tray, trough, channel, duct, wireways, direct burial and aerial (where supported by messenger); Class I, Division II applications; meets IEEE-45 CSA C22.2, No. 239 Control and Instrumentation Cable, and NEC Article 340.

Part Number	Description	Max OD - in (mm)	Shipping Wt./1000 Ft.
60029-101 . . . . .	.Basic cable with PVC jacket	.675 in (17.5 mm)	290 lbs. (131.5 kg)
60029-103 . . . . .	.Basic cable w/ bronze braid and PVC jacket	.860 (21.84)	540 (244.9)
60029-105 . . . . .	.Basic cable w/ aluminum braid and PVC jacket	.860 (21.84)	540 (244.9)
60029-107 . . . . .	.Basic cable w/ corrugated aluminum sheath (CLX) and PVC jacket	.999 (25.37)	449 (203.7)

## 60038 System Cable

**Applications:** Page/Party® and SmartSeries Single Line Systems; complete with power and communication conductors.

**Basic Cable:** Eight-conductor, one twisted pair 14 AWG for power, one 14 AWG conductor for ground, one twisted pair 18 AWG for page line, one twisted pair 18 AWG for party line, and one 18 AWG for control conductor. Minimum bending radius for basic cable is 2.7 in. (68.6 mm).

**Construction:** PVC/nylon insulation and PVC jacket, rated 600 V type TC.

**Approvals:** UL-listed (Subject 1277) for indoor/outdoor installations in cable tray, trough, channel, duct, wireways, direct burial and aerial (where supported by messenger); Class I, Division II applications; meets IEEE-45 CSA C22.2, No. 239 Control and Instrumentation Cable, and NEC Article 340.

Part Number	Description	Max OD - in (mm)	Shipping Wt./1000 Ft.
60038-101 . . . . .	.Basic cable with PVC jacket	.595 in (15.11 mm)	206 lbs. (93.44 kg)
60038-103 . . . . .	.Basic cable w/ bronze braid and PVC jacket	.785 (19.94)	400 (181.4)
60038-105 . . . . .	.Basic cable w/ aluminum braid and PVC jacket	.785 (19.94)	400 (181.4)
60038-107 . . . . .	.Basic cable w/ corrugated aluminum sheath (CLX) and PVC jacket	.818 (20.78)	313 (141.9)

## 60021 Speaker Cable

**Applications:** Speakers for Page/Party®, SmartSeries, Electro-Sound and Centra Page Systems.

**Basic Cable:** Two-conductor, one twisted pair 18 AWG. Minimum bending radius for basic cable is 1.5 in. (38.1 mm).

**Construction:** PVC/nylon insulation and PVC jacket, rated 600 V type TC.

**Approvals:** UL-listed (Subject 1277) for indoor/outdoor installations in cable tray, trough, channel, duct, wireways, direct burial and aerial (where supported by messenger); Class I, Division II applications; meets IEEE-45 CSA C22.2, No. 239 Control and Instrumentation Cable, and NEC Article 340.

Part Number	Description	Max OD - in (mm)	Shipping Wt./1000 Ft.
60021-301 . . . . .	.Basic cable	.285 in (7.24 mm)	44 lbs. (19.9 kg)
60021-303 . . . . .	.Basic cable w/ bronze braid and PVC jacket	.450 (11.43)	200 (90.9)
60021-305 . . . . .	.Basic cable w/ aluminum braid and PVC jacket	.450 (11.43)	200 (90.9)
60021-307 . . . . .	.Basic cable w/ corrugated aluminum sheath (CLX) and PVC jacket	.498 (12.65)	136 (61.7)

## 60022 Speaker/System Cable

**Applications:** Electro-Sound Systems, Loudspeaking Telephone, Rig Phone, and Speakers.  
**Basic Cable:** Two-conductor, one twisted pair 14 AWG.  
**Construction:** PVC/nylon insulation and PVC jacket, rated 600 V type TC.  
**Approvals:** Underwriter's Laboratories (UL)-listed (Subject 1277) for indoor/outdoor installation in cable tray, trough, channel, duct, wireways, direct burial and aerial (where supported by messenger); Class I, Division II applications; meets IEEE-45 CSA C22.2, No. 239 Control and Instrumentation Cable and NEC Article 340.

Part Number	Description	Max OD - in (mm)	Shipping Wt./1000 Ft.
60022-201 . . . . .	Basic cable with PVC jacket	.340 in (8.64 mm)	71 lbs. (32.2 kg)
60022-203 . . . . .	Basic cable w/ bronze braid and PVC jacket	.500 (12.7 mm)	285 (129.3)
60022-205 . . . . .	Basic cable w/ aluminum braid and PVC jacket	.500 (12.7 mm)	285 (129.3)

## 60028 System/Speaker Cable

**Applications:** Electro-Sound, 13314-001 and 13314-002 Drivers.  
**Basic Cable:** Three-conductor, one twisted triplet 18 AWG type SO (ex. hard) 600V 60° C  
 Minimum bending radius for basic cable is 1.6 in. (40.6 mm).  
**Construction:** The jacket, constructed with a 32 mil wall thickness of 80° PVC, protects against oil, chemical and mechanical abuse.  
**Approvals:** UL-listed.

Part Number	Description	Max OD - in (mm)	Shipping Wt./1000 Ft.
60028-101 . . . . .	Basic cable with PVC jacket	.255 in (6.5)	48 lbs. (21.8 kg)
60028-003 . . . . .	Basic cable w/ bronze braid and PVC jacket	.390 (9.9)	280 (127)
60028-005 . . . . .	Basic cable w/ aluminum braid and PVC jacket	.390 (9.9)	280 (127)

## 60051 System Cable

**Applications:** Centra-Page Systems with two party lines.  
**Basic Cable:** Six-conductor, three individually shielded twisted pairs 18 AWG.  
**Construction:** PVC/nylon insulation and PVC jacket, rated 600 V, 105° C type TC.  
**Approvals:** UL-listed (style 2516).

Part Number	Description	Max OD - in (mm)	Shipping Wt./1000 Ft.
60051-001 . . . . .	Basic cable	.540 in (13.7)	127 lbs. (57.6 kg)
60051-003 . . . . .	Basic cable w/ bronze braid and PVC jacket	.715 in (18.16)	281 lbs. (127.7)

## 60075 System Cable

**Applications:** RigCom, EZ Page common talk system cable.  
**Basic Cable:** Two-twisted pair conductors 18 AWG.  
**Construction:** PVC/nylon insulation and PVC jacket, rated 300 V, 80° C type TC.  
**Approvals:** UL Style 2464.

Part Number	Description	Max OD - in (mm)	Shipping Wt./1000 Ft.
60075-001 . . . . .	Basic cable	.345 in (8.76)	70 lbs. (31.8 kg)

## Special Construction Specifications

### 1. Bronze Braid

Material: 90/10 bronze alloy  
 Wire Size: 28 AWG (0.0126")  
 Coverage: 85% minimum

### 2. Aluminum Braid

Material: 5056 aluminum alloy  
 Wire Size: 28 AWG (0.0126")  
 Coverage: 85% minimum

### 3. Corrugated Aluminum Sheath

Separator: 0.002" thick polyester tape  
 Armor: Aluminum - 0.025" wall continuous  
 impervious corrugated sheath



## REFERENCE CHART

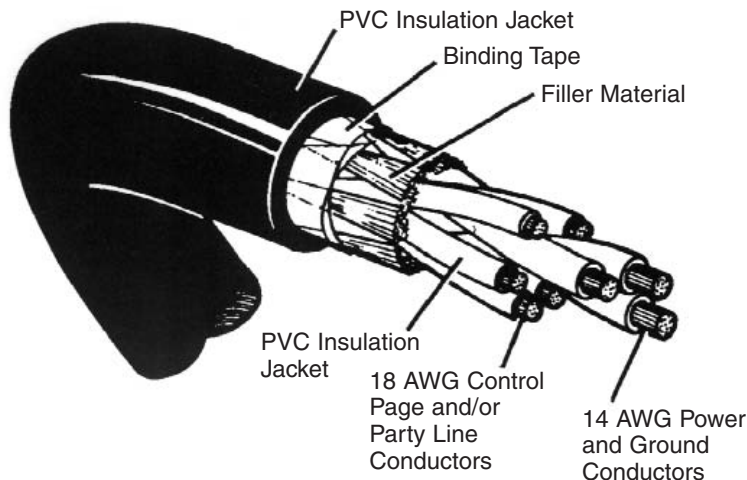
Model Number	Page/Party® SmartSeries Call/Talk	Electo-Sound	Centra-Page	Loudspeaking Telephone, Rigphone	Speaker	13314-001 13314-002 Drivers	RigCom & EZ Page	Purpose
60021					●			Speaker wiring in Page/Party®, SmartSeries, Electro-Sound, and Centra-Page systems.
60022		●		●	●			Electro-Sound, Loudspeaking Telephone, Rigphone and Speaker cable.
60028		●				●		Electro-Sound system cable; 13314-001 and 13314-002 Driver cable.
60029	●							Multi-party line cable.
60038	●							Single-party line cable
60051			●					Centra-Page system cable.
60075							●	RigCom, EZ Page system cable.

### Ordering Information

Cable is available on 500 or 1,000 foot reels; variations in length range from +/-10%, according to cable industry standards. Cable can be cut but only at 250 foot increments i.e. (250, 500, 750, 1000 feet). Continuous lengths up to 5,000 feet are available on special order. Certain cable types are ordered upon request only and may require longer lead times. Contact your local GAI-Tronics representative for more information.

Special Orders: thermosetting nuclear-resistant cables with cross-linked polyethylene insulation and hypalon jacket are available. Cables are also available with thermoplastic elastomer (TPE) jacket and hypalon insulation for extended temperature range capabilities by special order. Please contact your GAI-Tronics service representative for ordering information.

### Cable Construction Details



For further information, please contact :



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