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).

- Page/Party® Systems
- ADVANCE / SmartSeries™ Systems
- Centra Page/Party® Systems
- Speaker Cable
- RigCom & EZ Page System
- Loudspeaking Telephone, Mine Phone and Rig Phone Systems
### 60029 System Cable

**Applications:** Page/Party® and ADVANCE / 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 3.3 in. (83.8 mm).

**Construction:** PVC/nylon insulation and PVC jacket, rated 600 V, 90° C 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 2 applications; meets IEEE-45, CSA C22.2, No. 239 Control and Instrumentation Cable, and NEC Article 501.

* Designed and constructed for Marine Shipboard installation in offshore marine environments including Class I, Division 1 and Zone 1 applications. UL–listed, meets ABS and fire resistant rated per IEC 60331, flame rated per IEC 332-2 Cat. A and IEC 331. Low Smoke Zero Halogen Jacket.

**Part Number Description**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Max OD - in (mm)</th>
<th>Shipping Wt./1000 Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>60029-101</td>
<td>Basic cable with PVC jacket</td>
<td>.675 in (17.5 mm)</td>
<td>290 lbs. (131.5 kg)</td>
</tr>
<tr>
<td>60029-103</td>
<td>Basic cable w/ bronze braid and PVC jacket</td>
<td>.860 in (21.84 mm)</td>
<td>540 lbs. (244.9 kg)</td>
</tr>
<tr>
<td>60029-105</td>
<td>Basic cable w/ aluminum braid and PVC jacket</td>
<td>.860 in (21.84 mm)</td>
<td>540 lbs. (244.9 kg)</td>
</tr>
<tr>
<td>60029-107</td>
<td>Basic cable w/ corrugated aluminum sheath (CLX) and PVC jacket</td>
<td>.999 in (25.37 mm)</td>
<td>449 lbs. (203.7 kg)</td>
</tr>
<tr>
<td>60029-408*</td>
<td>Basic cable w/ bronze braid and LSZH Jacket</td>
<td>1.265 (32.13 mm)</td>
<td>968 (439 kg)</td>
</tr>
<tr>
<td>60029-409*</td>
<td>Basic cable w/ bronze braid 12 AWG Power and LSZH Jacket</td>
<td>1.265 (32.13 mm)</td>
<td>968 (439 kg)</td>
</tr>
<tr>
<td>60029-110**</td>
<td>Basic cable w/ Crush &amp; Impact Resistant Jacket and 12 AWG Power</td>
<td>.935 (23.749 mm)</td>
<td>437 (198 kg)</td>
</tr>
</tbody>
</table>

### 60038 System Cable

**Applications:** Page/Party® and ADVANCE / SmartSeries™ single party 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 10 x OD.

**Construction:** PVC/nylon insulation and PVC jacket, rated 600 V, 90° C 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 2 applications; meets IEEE-45 CSA C22.2, No. 239 Control and Instrumentation Cable, and NEC Article 501.

* Designed and constructed for Marine Shipboard installation in offshore marine environments including Class I, Division 1 and Zone 1 applications. UL–listed, meets ABS and fire resistant rated per IEC 60331, flame rated per IEC 332-2 Cat. A and IEC 331. Low Smoke Zero Halogen Jacket.

**Part Number Description**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Max OD - in (mm)</th>
<th>Shipping Wt./1000 Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>60038-101</td>
<td>Basic cable with PVC jacket</td>
<td>.510 in (12.95 mm)</td>
<td>206 lbs. (93.44 kg)</td>
</tr>
<tr>
<td>60038-103</td>
<td>Basic cable w/ bronze braid and PVC jacket</td>
<td>.785 in (19.94 mm)</td>
<td>400 lbs. (181.4 kg)</td>
</tr>
<tr>
<td>60038-107</td>
<td>Basic cable w/ corrugated aluminum sheath (CLX) and PVC jacket</td>
<td>.818 in (20.78 mm)</td>
<td>313 lbs. (141.9 kg)</td>
</tr>
<tr>
<td>60038-408*</td>
<td>Basic cable w/ bronze braid and LSZH Jacket</td>
<td>1.000 (25.40 mm)</td>
<td>867 (393 kg)</td>
</tr>
</tbody>
</table>

### 60051 System Cable

**Applications:** Centra Page/Party® 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). -001 Version Only.

**Part Number Description**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Max OD - in (mm)</th>
<th>Shipping Wt./1000 Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>60051-001</td>
<td>Basic cable</td>
<td>.540 in</td>
<td>127 lbs. (57.6 kg)</td>
</tr>
<tr>
<td>60051-003</td>
<td>Basic cable w/ bronze braid and PVC jacket</td>
<td>.715 in (18.16 mm)</td>
<td>281 lbs. (127.7 kg)</td>
</tr>
</tbody>
</table>
### 60021 Loudspeaker Cable

**Applications:** Loudspeakers for Page/Party*, ADVANCE / SmartSeries™, Centra Page/Party* Systems, Nova Systems and Elemec plus™ 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, 90°C type TC.

**Approvals:** 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 2 applications; meets IEEE-45, CSA C22.2, No. 239 Control and Instrumentation Cable and NEC Article 501.

* Designed and constructed for Marine Shipboard installation in offshore marine environments including Class I, Division 1 and Zone 1 applications. UL–listed, meets ABS and fire resistant rated per IEC 60331, flame rated per IEC 332-2 Cat. A and IEC 331. Low Smoke Zero Halogen Jacket.

**Part Number** | **Description** | **Max OD - in (mm)** | **Shipping Wt./1000 Ft.**
--- | --- | --- | ---
60021-301 | Basic cable | .285 (7.24 mm) | 44 lbs. (19.9 kg)
60021-303 | Basic cable w/ bronze braid and PVC jacket | .450 (11.43 mm) | 200 (90.9 kg)
60021-305 | Basic cable w/ aluminum braid and PVC jacket | .450 (11.43 mm) | 200 (90.9 kg)
60021-307 | Basic cable w/ corrugated aluminum sheath (CLX) and PVC jacket | .498 (12.65 mm) | 136 (61.7 kg)
60021-408* | Basic cable w/ bronze braid and LSZH Jacket | .620 (15.75 mm) | 254 (115 kg)
60021-409* | Basic cable 16 AWG w/ bronze braid and LSZH Jacket | .620 (15.75 mm) | 259 (118 kg)

### 60022 Loudspeaker/System Cable

**Applications:** Loudspeakers for Page/Party®, ADVANCE / SmartSeries™, Centra Page/Party* Systems, Nova Systems and Elemec plus™ 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, 90°C type TC.

**Approvals:** 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 2 applications; meets IEEE-45, CSA C22.2, No. 239 Control and Instrumentation Cable and NEC Article 501.

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

### 60028 Loudspeaker Cable

**Applications:** 13314-001 and 13314-002 Drivers.

**Basic Cable:** Three-conductor, one twisted triplet 18 AWG. Minimum bending radius for basic cable is 1.5 in. (37.6 mm).

**Construction:** PVC/nylon insulation and PVC jacket, rated 600 V, 90°C type TC.

**Approvals:** 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 2 applications; meets IEEE-45, CSA C22.2, No. 239 Control and Instrumentation Cable and NEC Article 501.

**Part Number** | **Description** | **Max OD - in (mm)** | **Shipping Wt./1000 Ft.**
--- | --- | --- | ---
60028-101 | Basic cable with PVC jacket | .303 (7.69 mm) | 48 lbs. (21.8 kg)
60028-003 | Basic cable w/ bronze braid and PVC jacket | .390 (9.9 mm) | 280 (127 kg)
60028-005 | Basic cable w/ aluminum braid and PVC jacket | .390 (9.9 mm) | 280 (127 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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Page/Party® SmartSeries™ Call/Talk®</th>
<th>Centra Page/Party®</th>
<th>Loudspeaking Telephone &amp; Rigphone</th>
<th>Speaker</th>
<th>13314-001 13314-002 Drivers</th>
<th>RigCom &amp; EZ Page</th>
<th>Purpose</th>
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<td>60021</td>
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<td>Speaker wiring in Page/Party®, ADVANCE/SmartSeries™ and Centra Page/Party® Systems</td>
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<td>Loudspeaking Telephone, Rigphone and Speaker cable</td>
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<td>13314-001 and 13314-002 Driver Cable</td>
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<td>Single-party line cable</td>
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<td>Centra Page/Party® System Cable</td>
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<td>60075</td>
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<td>RigCom, EZ Page System Cable</td>
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</table>

Ordering Information

Standard cable is available in 250 foot increments only, and the minimum order quantity is 250 feet, standard reels (250, 500, 750, 1,000 and 4,000). Cables can be cut in lengths greater than 1,000 ft in 250 foot increments. Please specify requested reels up to 4,000 foot continuous lengths. Specific cutting charges apply. Certain cable types are ordered upon request and require minimum order quantities and longer lead times. Please contact the factory for prices and availability.

Cable Construction Details

PVC Insulation Jacket
Binding Tape
Filler Material
PVC Insulation Jacket
18 AWG Control Page and/or Party Line Conductors
14 AWG Power and Ground Conductors