

## FEATURES & BENEFITS

### Audio

- Precision 110 Ω Impedance
- Low-Density Polyethylene Insulation

### Power

- Specialized Electrical-Only Design
- Reduces Interference and EMI
- Shield Design with Tinned Copper Drain Wire
- 12 AWG Power for Extended Distance and Overall Shield for Extra EMI Protection (Touring Line)

## APPLICATIONS

- For Portable Use or Remote Environment
- Self-Amplified Speakers
- Audio + Power Snakes for Stage or FOH
- DMX Lighting Control
- AES3 Digital Audio
- Microphone or Line Level Balanced Analog Audio

Gepco® Brand RunONE™ Powered Cables combine audio and power, along with optional data, under one durable, yet flexible jacket. Providing a portable and neat solution, RunONE cables save time and hassle. Each cable combines power with two, eight or 12 channels of 110 Ω balanced audio for line level, mic level or digital AES signals and can be used for self-powered speakers, staging applications and DMX lighting control. Additional configurations include two channels of Category 5e cable that can be used for data drops or digital audio transmission in remote power and audio applications. Shielding around the power channels eliminates power noise from interrupting the audio/data signal, ensuring high-quality performance. In addition to the standard Professional line, the RunONE Touring line uses 12 AWG power for extended distance and overall shielding for extra EMI protection.



## RunONE Professional Line

### Power Mechanical Specifications

| Conductor                  | Insulation (Type, Wall, Color)                      | Shield    | Drain                      | Jacket (Type, OD) |
|----------------------------|---|-----------|----------------------------|-------------------|
| 14 AWG (41x30) Stranded BC | PVC, .016" and Nylon, 0.005" Black, White and Green | 100% Foil | 18 AWG (16x30) Stranded TC | PVC, 0.349"       |

### Audio Mechanical Specifications

| Conductor                 | Insulation (Type, Wall, Color) | Shield    | Drain                     | Filler           | Jacket (Type, OD) |
|---------------------------|--------------------------------|-----------|---------------------------|------------------|-------------------|
| 24 AWG (7x32) Stranded TC | LDPE, .021", Black and White   | 100% Foil | 22 AWG (7x30) Stranded TC | Polyethylene Rod | PVC, 0.184"       |

### Data Mechanical Specifications

| Conductor       | Insulation (Type, Wall, Color) | Pair Color Code  | Shield    | Drain                  | Jacket (Type, OD) |
|-----------------|--------------------------------|--|-----------|------------------------|-------------------|
| 24 AWG Solid BC | Polyolefin                     | Blue-White/Blue; Orange-White/Orange; Green-White/Green; Brown-White/Brown | 100% Foil | 26 AWG (7x34) Solid TC | PVC, 0.300"       |

### Overall Mechanical Specifications

| Master Jacket (Type, Color) | UL Type  |
|-----------------------------|----------|
| Flexible PVC, Black         | AWM 2464 |

### Individual Mechanical Specifications

| Part # | # of Power      | Power Color Code | # of Audio | Audio Color Code | # of Data | Data Color Code | OD     | Weight      |
|--------|-----------------|------------------|------------|------------------|-----------|-----------------|--------|-------------|
| PA2    | 1 x 3 Conductor | Black            | 2 Pair     | Red and White    | —         | —               | 0.645" | 206 lbs/Mft |
| PA2C   | 1 x 3 Conductor | Black            | 2 Pair     | Red and White    | 2 Cat 5e  | Black & Gray    | 0.830" | 271 lbs/Mft |
| PA8    | 1 x 3 Conductor | Black            | 8 Pair     | Base 10          | —         | —               | 0.907" | 339 lbs/Mft |
| PA12   | 1 x 3 Conductor | Black            | 12 Pair    | Base 10          | —         | —               | 1.006" | 424 lbs/Mft |
| PA12C  | 1 x 3 Conductor | Black            | 12 Pair    | Base 10          | 2 Cat 5e  | Black & Gray    | 1.140" | 492 lbs/Mft |

### Audio Electrical Specifications

| Capacitance   | Impedance | Conductor DCR | Drain DCR  |
|---|-----------|---------------|------------|
| 15 pF/ft between conductors,<br>27 pF/ft between one conductor and other tied to shield | 110 Ω     | 25.6 Ω/Mft    | 15.3 Ω/Mft |

### Power Electrical Specifications

| Capacitance   | Conductor DCR | Drain DCR  |
|---|---------------|------------|
| 51 pF/ft between conductors,<br>93 pF/ft between one conductor and other tied to shield | 2.5 Ω/Mft     | 6.45 Ω/Mft |

### Data Electrical Specifications

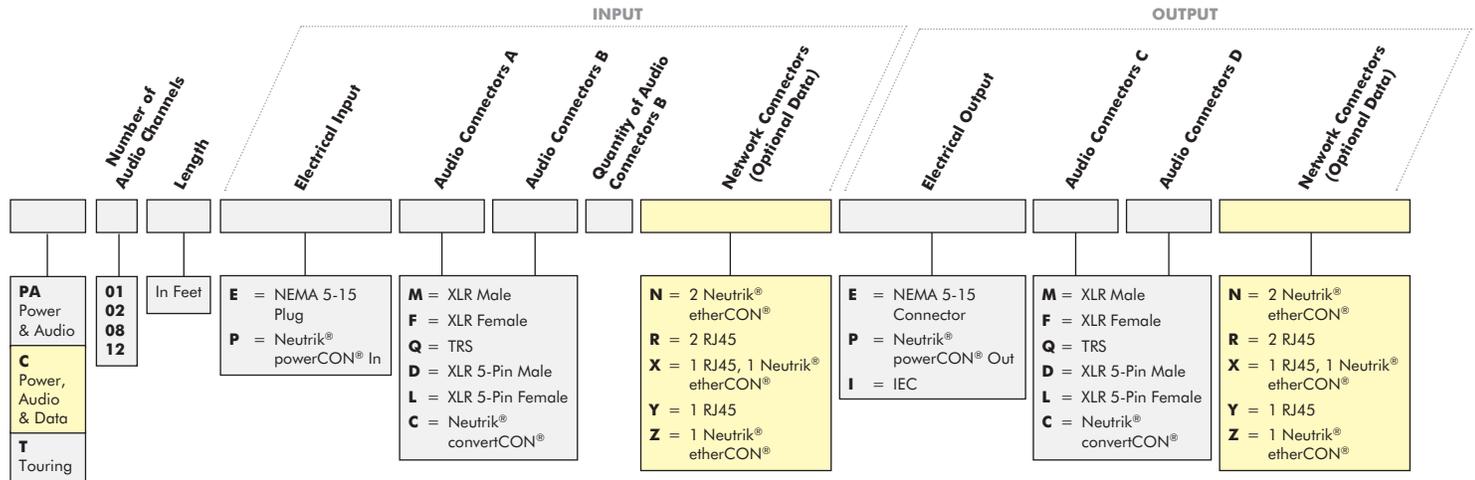
| DCR Max @ 20°C     | DCR Unbal. Max | Char. Imped.  | Prop. Delay (Skew) Max | Vel. of Prop. (Non-Plenum, Plenum) | Temp. Rating (Installation, Operating) | Standards  |      |      |      |      |      |       |      |      |      |      |      |      |      |
|--------------------|----------------|---------------|------------------------|------------------------------------|--|--|------|------|------|------|------|-------|------|------|------|------|------|------|------|
|                    |                |               |                        |                                    |  | Meets or Exceeds TIA/EIA-568-C.2 Cat 5e, ISO/IEC 11801 Ed. 2.0 |      |      |      |      |      |       |      |      |      |      |      |      |      |
| 8.9 Ω/100m (328ft) | 3.0%           | 100 Ω (+/-15) | 45 ns/100 m            | 70%, 72%                           | 0°C to +60°C, -20°C to +75°C           | 1  | 4    | 10   | 16   | 20   | 25   | 31.25 | 62.5 | 100  | 155  | 200  | 250  | 300  | 350  |
|                    |                |               |                        |                                    |  | 2.0  | 4.1  | 6.5  | 8.2  | 9.3  | 10.4 | 11.7  | 17.0 | 22.0 | 28.1 | 32.4 | 36.9 | 41.0 | 44.9 |
|                    |                |               |                        |                                    |  | 60.3   | 49.2 | 40.8 | 36.0 | 33.5 | 30.9 | 28.2  | 18.4 | 10.3 | 1.4  | —    | —    | —    | —    |
|                    |                |               |                        |                                    |  | 63.3   | 52.2 | 43.8 | 39.0 | 36.5 | 33.9 | 31.2  | 21.4 | 13.3 | 4.4  | —    | —    | —    | —    |
|                    |                |               |                        |                                    |  | 62.3   | 53.3 | 47.3 | 44.2 | 42.8 | 41.3 | 39.9  | 35.4 | 32.3 | 29.4 | 27.8 | 26.3 | 25.1 | 24.1 |
|                    |                |               |                        |                                    |  | 65.3   | 56.3 | 50.3 | 47.2 | 45.8 | 44.3 | 42.9  | 38.4 | 35.3 | 32.4 | 30.8 | 29.3 | 28.1 | 27.1 |
|                    |                |               |                        |                                    |  | 60.8   | 48.8 | 40.8 | 36.7 | 34.8 | 32.8 | 30.9  | 24.9 | 20.8 | 17.0 | 14.8 | 12.8 | 11.3 | 9.9  |
|                    |                |               |                        |                                    |  | 63.8   | 51.8 | 43.8 | 39.7 | 37.8 | 35.8 | 33.9  | 27.9 | 23.8 | 20.0 | 17.8 | 15.8 | 14.3 | 12.9 |
|                    |                |               |                        |                                    |  | 20.0   | 23.0 | 25.0 | 25.0 | 25.0 | 24.3 | 23.6  | 21.5 | 20.1 | —    | —    | —    | —    | —    |





## RunONE Touring Line

| Power Mechanical Specifications   |   |                  |            |                  |                           |                            |                   |                             |            |             |
|---|---|------------------|------------|------------------|---------------------------|----------------------------|-------------------|-----------------------------|------------|-------------|
| Conductor   | Insulation (Type, Wall, Color)                      |                  |            | Shield           | Drain                     | Jacket (Type, OD)          |                   |                             |            |             |
| 12 AWG (105x32) Stranded BC   | PVC, .016" and Nylon, 0.005" Black, White and Green |                  |            | 100% Foil        | 18 AWG (7x26) Stranded TC | PVC, 0.396"                |                   |                             |            |             |
| Audio Mechanical Specifications   |   |                  |            |                  |                           |                            |                   |                             |            |             |
| Conductor   | Insulation (Type, Wall, Color)                      |                  |            | Shield           | Drain                     | Filler                     | Jacket (Type, OD) |                             |            |             |
| 24 AWG (7x32) Stranded TC   | LDPE, .021", Black and White                        |                  |            | 100% Foil        | 22 AWG (7x30) Stranded TC | Polyethylene Rod           | PVC, 0.184"       |                             |            |             |
| Overall Mechanical Specifications   |   |                  |            |                  |                           |                            |                   |                             |            |             |
| Part #  | # of Power  | Power Color Code | # of Audio | Audio Color Code | Shield                    | Drain                      | OD                | Master Jacket (Type, Color) | UL Type    | Weight      |
| <b>PA2T</b>   | 1 x 3 Conductor                                     | Black            | 2 Pair     | Red and White    | 100% Foil                 | 16 AWG (19x29) Stranded TC | 0.645"            | Flexible PVC, Black         | AWM 2464   | 206 lbs/Mft |
| Power Electrical Specifications   |   |                  |            |                  |                           |                            |                   |                             |            |             |
| Capacitance   |   |                  |            |                  | Conductor DCR             |                            |                   | Drain DCR                   |            |             |
| 60 pF/ft between conductors, 108 pF/ft between one conductor and other tied to shield |   |                  |            |                  | 1.58 Ω/Mft                |                            |                   | 4.31 Ω/Mft                  |            |             |
| Audio Electrical Specifications   |   |                  |            |                  |                           |                            |                   |                             |            |             |
| Capacitance   |   |                  |            |                  | Impedance                 |                            | Conductor DCR     |                             | Drain DCR  |             |
| 15 pF/ft between conductors, 27 pF/ft between one conductor and other tied to shield  |   |                  |            |                  | 110 Ω                     |                            | 25.6 Ω/Mft        |                             | 15.3 Ω/Mft |             |



### Example Part Numbers

**PA0125EFIM** (25 ft 1 channel of audio terminated. Input side: NEMA 5-15 Plug with 1 XLR Female. Output side: IEC with 1 XLR Male.)

**PA0250EDL1PLD** (50 ft 2 channels of audio terminated. Input side: NEMA 5-15 Plug with 1 XLR 5-Pin Male and 1 XLR 5-Pin Female. Output side: powerCON out with 1 XLR 5-Pin Female and 1 XLR 5-Pin Male.)

**C0225EFRIQN** (25 ft 2 channels of audio and 2 channels of data terminated. Input side: NEMA 5-15 Plug with 2 XLR Female and RJ45. Output side: IEC with 2 XLR Male and 2 etherCON.)

**PA0875PMQ2PFQ** (75 ft 8 channels of audio terminated. Input side: powerCON in with 6 XLR Male and 2 TRS. Output side: powerCON out with 6 XLR Female and 2 TRS.)

**PA12100ECEC** (100 ft 12 channels of audio terminated. Input side: NEMA 5-15 Plug with 12 convertCON. Output side: NEMA 5-15 Connector with 12 convertCON.)

**C0850EMZEFZ** (50 ft 8 channels of audio & 1 channel of data terminated. Input side: NEMA 5-15 Plug with 8 XLR Male and etherCON. Output side: NEMA 5-15 Connector with 8 XLR Female and etherCON.)