Network Cable

Overview

Greengate network cables are used to interconnect the Greengate network lighting control panels. The typical data transmission cabling is GG9841, which contains 24 AWG single twisted shielded pair. When adding panels in the middle of an existing network, GG9842 cabling allows for maintenance of the daisy-chained integrity by providing two twisted pairs of 24 AWG and shielded wire, allowing for an out and return pair within the same cable. For both cable types, non-plenum and plenum rated versions are available.

Features

- Interconnects lighting control panels
## Technical Data

**Network Cable Specifications**

**Outer Jacket**
- Material: PVC
  - Nominal Diameter:
    - GG9841 - 0.232 in.
    - GG9842 - 0.340 in.
    - GG89841P - 0.202 in.
    - GG89842P - 0.340 in.

**Data Wire Pair**
- Conductors:
  - 2 x 24 AWG, tinned copper (GG9841)
  - 4 x 24 AWG, tinned copper (GG9842)
- Colors (GG9841 and GG984P):
  - Blue/White and White/Blue (pair 1)
- Colors (GG9842 and GG9842P):
  - Blue/White and White/Blue (pair 1)
  - White/Orange and Orange/White (pair 2)
- Shield Tape: Aluminum foil (100% coverage)
- Shield Braid: Tinned Copper (90% coverage)
- Impedance: 120 Ohms

**Applicable Standards**
- NEC/UL specification: CM or CMP UL Style 2919
- CEC/CUL specification: CM or CMP

### Ordering

This is an accessory for the ControlKeeper Lighting Control Systems. When ordering, specify the network cable type as a separate accessory.

<table>
<thead>
<tr>
<th>Cat #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GG9841</td>
<td>Single pair network communication wire, non-plenum rated</td>
</tr>
<tr>
<td>GG9842</td>
<td>Two pair network communication wire, non-plenum rated</td>
</tr>
<tr>
<td>GG89841P</td>
<td>Single pair network communication wire, plenum rated</td>
</tr>
<tr>
<td>GG89842P</td>
<td>Two pair network communication wire, plenum rated</td>
</tr>
</tbody>
</table>

### General
- Type: Cable Outer Jacket (PVC) Ratings

<table>
<thead>
<tr>
<th>Type</th>
<th>Nominal Diameter</th>
<th>Reel Length</th>
<th>Impedance</th>
<th>Twists/ft</th>
<th>Temperature</th>
<th>Plenum Rated?</th>
</tr>
</thead>
<tbody>
<tr>
<td>GG9841</td>
<td>0.232 in</td>
<td>1000 ft</td>
<td>120 Ohms</td>
<td>4.8</td>
<td>-30° C to 80° C</td>
<td>No</td>
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<tr>
<td>GG89841P</td>
<td>0.202 in</td>
<td>1000 ft</td>
<td>120 Ohms</td>
<td>6.0</td>
<td>-70° to 200° C</td>
<td>Yes</td>
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<tr>
<td>GG9842</td>
<td>0.340 in</td>
<td>1000 ft</td>
<td>120 Ohms</td>
<td>12.0</td>
<td>-30° C to 80° C</td>
<td>No</td>
</tr>
<tr>
<td>GG89842P</td>
<td>0.340 in</td>
<td>1000 ft</td>
<td>120 Ohms</td>
<td>19.688</td>
<td>-70° to 150° C</td>
<td>Yes</td>
</tr>
</tbody>
</table>