ULTRALINK™ ABS POWER CORDS

Provides superior power delivery, exceeds power delivery minimum legal lamp requirements for single or double trailer configurations • UltraLink™ zinc die-cast plugs are filled with elastomeric material that resists crushing and acts as potting to seal solid brass terminals from moisture • Special adhesive bonds the cable to the plug, eliminating the need for a supporting spring and preventing moisture from entering the back of the plug • Solid brass terminals are corrosion resistant, and provide superior current capacity with minimal voltage drop • Provides excellent recoil memory, chemical, and abrasion resistance (Coiled versions) • Advanced polymer jacketing material provides complete sealing and abrasion protection between -55°F and 190°F (Premium versions)

COILED:
- 87100 1/8-2/10-4/12, 12’, w/12” Leads, Coiled
- 87103 1/8-2/10-4/12, 12’, w/12” Leads, Coiled, Premium
- 87101 1/8-2/10-4/12, 15’, w/12” Leads, Coiled
- 87104 1/8-2/10-4/12, 15’, w/12” Leads, Coiled, Premium
- 87170 1/8-2/10-4/12, 15’, w/48” and 12” Leads, Coiled
- 87105 1/8-2/10-4/12, 20’ w/36” and 12” Leads, Coiled, Premium

STRAIGHT:
- 87190 1/8-2/10-4/12, 7’, Straight
- 87193 1/8-2/10-4/12, 10’, Straight
- 87171 1/8-2/10-4/12, 12’, Straight
- 87172 1/8-2/10-4/12, 15’, Straight
- 87173 1/8-2/10-4/12, 20’, Straight

Material: Polyurethane (Premium), EVA (Standard)
FMVSS: J560b, J2222, J2394
Finish: Green

ULTRALINK™ POWER CORDS (NON-ABS)

Provides superior power delivery, exceeds power delivery minimum legal lamp requirements for single or double trailer configurations • UltraLink™ zinc die-cast plugs are filled with elastomeric material that resists crushing and acts as potting to seal solid brass terminals from moisture • Special adhesive bonds the cable to the plug, eliminating the need for a supporting spring and preventing moisture from entering the back of the plug • Solid brass terminals are corrosion resistant, and provide superior current capacity with minimal voltage drop • Provides excellent recoil memory, chemical, and abrasion resistance (Coiled versions) • Advanced polymer jacketing material provides complete sealing and abrasion protection between -55°F and 190°F (Premium versions)

COILED:
- 87110 1/12-6/14, 12’, w/12” Leads
- 87020 1/10-6/12, 12’, w/12” Leads, HD
- 87111 1/12-6/14,15’, w/12” Leads
- 87023 1/10-6/12, 15’, w/12” Leads, HD
- 87181 1/10-6/12, 15’, w/48” and 12” Leads, HD
- 87112 1/12-6/14, 15’, w/72” and 12” Leads
- 87180 1/10-6/12, 15’, w/72” and 12” Leads, HD

STRAIGHT:
- 87182 1/10-6/12, 15’

Material: EVA (Standard)
FMVSS: J560, J2222
Finish: Black
ULTRA NOSE BOX®

Replaceable 7-pin insert for easy maintenance • 39-pin connections eliminates overcrowding of wires • Hinged door keeps elements out, while providing easy access • Insert-molded pins helps prevent accidental disconnects

87141 Gray, Solid Pin
87151 Gray, Split Pin

Material: Nylon
FMVSS: J560
Finish: Gray
Accessory: 7-pin insert: 97900 (solid pin), 97800 (split pin)
Replacement Door Kit: 97910 (spring, pin, door)
Rubber Grommet: 97810
Pigtail: 01-6623-P9
20A Circuit Breaker: 01-6624-W4

ULTRAPIN RECEPTACLE
TWO-HOLE MOUNT

No-rust, die-cast zinc • Heavy bosses for extra rigidity • Barrel slanted to drain moisture • Mounting holes slotted for universal fit • Floating pins for easy alignment and solid mating • Two male terminals for grounding • Brass pins • 87270 includes 99510 retrofit kit • 99510 consists of 14 terminals and 9 boots

87250 Receptacle Only, Split Pin
87860 Receptacle Only, Solid Pin
87270 Receptacle w/ Terminal Kit, Split Pin

RETROFIT KIT
99510 Plug-In Terminal Kit
99600 Mounting Gasket
99680 Door Replacement Kit

Material: Die-cast Zinc
FMVSS: J560

ULTRA-PIN RECEPTACLE
THREE-HOLE MOUNT

No-rust, die-cast zinc • Heavy bosses for extra rigidity • Barrel slanted to drain moisture • Mounting holes slotted for universal fit • Floating pins for easy alignment and solid mating • Two male terminals for grounding • Brass Pins • 87240 includes 99510 retrofit kit • 99510 consists of 14 terminals and 9 boots

87240 Receptacle w/ Terminal Kit, Split Pin
87220 Receptacle Only, Split Pin

RETROFIT KIT
99510 Plug-In Terminal Kit
99601 Mounting Gasket
99680 Door Replacement Kit

Material: Die-cast Zinc
FMVSS: J560
ULTRA-PIN™ RECEPTACLE FOUR-HOLE MOUNT NOSE BOX

Extra heavy bosses • Slanted barrel for drainage • Floating pins for easy alignment and solid mating connection • High impact retainer plate • Brass pins • Die-cast aluminum housing resists rust

87590 Solid Pin
87830 Split Pin

Material: Die-cast Aluminum

RECEPTACLE MOUNTING BOX

Mounting for 87250, 87860, 87270, 87220, 87850, 87240

43684 Receptacle Box
99680 Door Replacement Kit - Used on 87250, 87860, 87270, 87240 and 87220. Kit contains die-cast zinc door, brass hinge pin and spring
99600 Mounting Gasket - Used on 87250, 87860 and 87270. Kit contains PVC mounting gasket for 2-hole receptacle. Gasket is designed so the receptacle is recessed. Gasket to protect against galvanic corrosion and water intrusion.

Material: Cast Aluminum

RETROFIT PLUG-IN TERMINAL KIT

99510 Plug-In Terminal Kit - Plugs into 87220, 87850, 87250, 87860, 87590 and 87830 receptacles • Kit contains 9 boots and 14 terminals • 5 terminals for larger gauge wire
99680 Door Replacement Kit - Used on 87250, 87860, 87270, 87240 and 87220. Kit contains die-cast zinc door, brass hinge pin and spring
99600 Mounting Gasket - Used on 87250, 87860 and 87270. Kit contains PVC mounting gasket for 2-hole receptacle. Gasket is designed so the receptacle is recessed. Gasket to protect against galvanic corrosion and water intrusion.
99601 Mounting Gasket - Used on 87290 and 87220. Kit contains PVC mounting gasket for 3-hole receptacle. Gasket is designed so the receptacle is recessed. Gasket to protect against galvanic corrosion and water intrusion.
UBS® MAIN HARNESS
Extends from front of nose box or receptacle and provides sealed plug-in connection to real sill harness

1-8 GAUGE, 2-10 GAUGE, 4-12 GAUGE:

66071  60’ Long
66081  35’ Long

UBS® MAIN HARNESS ABS ADAPTER
Junction between main harness and real sill harness  • Provides sealed plug-in connection and a drop-out extension for ABS  • Ground return  • ABS fault lamp connection

ABS FAULT LIGHT:
66705  12’ Long

UBS® 7-CONDUCTOR RECEPTACLE MAIN HARNESS
Ultra-Pin™ receptacle is overmolded  • Two-hole mount, solid pin (87860)

6608-E9  Main Harness with Drop (female 7-way)
6608-F9  Main Harness (male 7-way)

ULTRA SEAL G7 NEW
Ultra-Seal G7 set the standard for low-profile, water-resistant harness connection  • Spacer made of thicker, and harder durometer PVC that resists deforming under mounting pressure  • Flush mount design allows water to be directed away from the wire exit hole in the trailer  • Two alignment pins aid in installation, allowing for easier terminal connections  • Plug design seals the back of the receptacle  • Receptacle is recessed into the gasket for sealing  • Receptacle is non-rust, die cast zinc with solid brass pins

87214  Straight Plug & receptacle with 7-way female
Length: 24in/609.6mm  
Gauge: 10/12

87215  Straight Plug & receptacle with 7-way male
Length: 24in/609.6mm  
Gauge: 8/10/12

87210  90° Plug & receptacle with 7-way female and drops for marker lamps (grounded and black)
Length: 24in/609.6mm  
Gauge: 10/12

87211  90° Plug & receptacle with 7 standard females and drops for marker lamps (grounded and black)
Length: 24in/609.6mm  
Gauge: 10/12

87212  90° Plug & receptacle blunt cut with drops for marker lamps (grounded and black)
Length: 24in/609.6mm  
Gauge: 10/12
**UBS® MAIN HARNESS 44" ABS DROP-OUT**

Provides sealed plug-in connection to rear sill harness • Drop-out extends to ABS universal connector • Blunt-cut, 7-conductor cable

| 1-10 GAUGE, 6-12 GAUGE: |  
|-------------------------|---|
| 66701                   | 60' Long |
| 66702                   | 35' Long |

**UBS® MAIN HARNESS 48" DROP-OUT FOR DOUBLE-TRAILER CONNECTION**

Provides sealed plug-in connection to rear sill harness • Drop-out extends to receptacle at rear of trailer • Blunt-cut, 7-conductor cable

| 1-8 GAUGE, 2-10 GAUGE, 4-12 GAUGE: |  
|-------------------------------|---|
| 66311                         | 60' Long |
| 66711                         | 35' Long |

**UBS® HARNESS REAR SILL OPTION**

All connections weather-sealed by simple, foolproof UBS plugs • Entire harness double-jacketed for extra resistance to road-splash and abrasion • Redundant frame ground with ring terminal

- **FOR FEMALE PIN LAMPS:**
  - 67570 56' Long, Ground Return, Blue Drop
  - 67571 56' Long, Ground Return, ABS Connection

- **FOR MALE PIN LAMPS:**
  - 67581 56' Long, Ground Return, Blue Drop
  - 67580 56' Long, Ground Return, ABS Connection

**UBS® GROUND RETURN TRACKING HARNESS**

For use with elbow-style rear sill

- **STANDARD MALE/STANDARD FEMALE TO 2 SLIM-LINE UNDERLAMP FEMALES:**
  - 66223 2' Long
  - 66224 3' Long
CUT-TO-FIT® WIRE HARNESS SYSTEMS

This Cut-To-Fit® Wire Harness System adapts to the standard Grote Ultra-Blue-Seal® rear sill and main harness • Part number 67271 (24" standard male to Cut-To-Fit® Slim-Line jumper) plugs into rear sill, making a corrosion-proof connection • Cut-To-Fit® jumpers can then be plugged directly into the double Slim-Line plugs • Cut-To-Fit® wire harness mates with the Grote 7-pin receptacle (nose box) with the use of either the 67260 adapter or the 67250 • All wires 12 gauge

67271 Rear Sill Adapter
67270 Ground Return Adapter
67260 Nose Box Adapter
67250 Double Nose Box Adapter

SLIM-LINE UNDER-LAMP FEMALES (CUT-TO-FIT®)

Abrasion-resistant double-jacketed wire lengths with molded-on Slim-Line under-lamp double females includes sealing boot for crimp-on bullet connectors • Blunt-cut, Cut-To-Fit® wires are black

67301 14-Gauge, 3’ 2” (38”)
67302 14-Gauge, 6’ 8” (80”)
67303 14-Gauge, 14’ (168”)
67304 14-Gauge, 25’ 10” (310”)
67305 14-Gauge, 34’ 7” (415”)
67400 12-Gauge, 1’ 2” (14”)
67401 12-Gauge, 3’ 2” (38”)
67402 12-Gauge, 6’ 8” (80”)
67403 12-Gauge, 14’ (168”)
67404 12-Gauge, 25’ 10” (310”)
67405 12-Gauge, 34’ 7” (415”)

CRIMP-ON .180 BULLET TERMINALS

99500-3 Field Service Terminal for 14-Gauge Wire
99501-3 Field Service Terminal for 12-Gauge Wire

DUMMY PLUG (FOR SLIM-LINE PLUGS)

All open plugs should be sealed with a dummy plug

99502 Dummy Plug

STANDARD MALE TO SLIM-LINE UNDER-LAMP FEMALE

Rear tracking lamp jumper

66170 2’ (24”)
TRAILER WIRING AND COMMUNICATIONS SYSTEMS

STANDARD MALE TO STANDARD FEMALE

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>66100</td>
<td>4' 4&quot; (50')</td>
</tr>
<tr>
<td>66101</td>
<td>28' 3&quot; (339')</td>
</tr>
</tbody>
</table>

SLIM-LINE UNDER-LAMP MALE TO STANDARD FEMALE

Jumper to access auxiliary drop-out on rear sill harness

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>66110</td>
<td>5' (60')</td>
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</table>

STANDARD FEMALE TO DOUBLE SLIM-LINE UNDER-LAMP FEMALE

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Length (inches)</th>
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</thead>
<tbody>
<tr>
<td>66225</td>
<td>Ground Jumper</td>
<td>3' (36')</td>
</tr>
</tbody>
</table>

SLIM-LINE UNDER-LAMP MALE TO SLIM-LINE UNDER-LAMP FEMALE

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Length (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>66162</td>
<td>Intermediate side marker crossover jumper</td>
<td>8' 9&quot; (105')</td>
</tr>
</tbody>
</table>

SLIM-LINE UNDER-LAMP MALE TO SLIM-LINE UNDER-LAMP FEMALE

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Length (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>66160</td>
<td>Multiple ID lamp jumper</td>
<td>1' (12')</td>
</tr>
<tr>
<td>66124</td>
<td>Front marker and rear marker lamp jumper</td>
<td>2' 6&quot; (30')</td>
</tr>
<tr>
<td>66161</td>
<td>Front lower side marker from front receptacle. Use with 66190, 4' 7&quot; (55')</td>
<td>66190, 4' 7&quot; (55')</td>
</tr>
<tr>
<td>66125</td>
<td>Marker lamp jumper, 7' (84')</td>
<td>7' (84')</td>
</tr>
<tr>
<td>66123</td>
<td>Marker lamp jumper, 10' 9&quot; (129')</td>
<td>10' 9&quot; (129')</td>
</tr>
<tr>
<td>66163</td>
<td>Front upper clearance / marker from front receptacle. Use with 66190, 12' 8&quot; (152')</td>
<td>66190, 12' 8&quot; (152')</td>
</tr>
<tr>
<td>66122</td>
<td>Marker lamp jumper 26' 11&quot; (323')</td>
<td>26' 11&quot; (323')</td>
</tr>
<tr>
<td>66113</td>
<td>Clearance lamp jumper</td>
<td></td>
</tr>
</tbody>
</table>
**BLUNT-CUT TO DOUBLE SLIM-LINE UNDER-LAMP FEMALE**

- **66190** Wire into front receptacle terminals, 8” blunt cut

**BLUNT-CUT TO STANDARD FEMALE**

- **66200** Wire into front receptacle terminals, 8” blunt cut

**BLUNT-CUT TO STANDARD FEMALE**

- **67315** 14-Gauge, 1’ 2” (14”)
- **67413** 12-Gauge, 1’ 2” (14”)

**DOUBLE SLIM-LINE FEMALE TO RING TERMINAL**

- Jumper accommodates insulated ground return system • Affixed to brass ground on rear sill harness • Crimp-on 1/4” ring terminal and heat-shrink tube supplied unattached

- **66210** Jumper, 12”

**TWO STANDARD MALES TO TWO SLIM-LINE UNDER-LAMP FEMALES**

- **66220** Use the 5306 combination clearance / marker and auxiliary stop / turn signal lamp, use with 66400 when triple-ID / Auxiliary stop is located on upper rail, 10’ 10” (130”) • Wire is 14 gauge

- **66220** ID / auxiliary stop jumper
- **66121** Midturn and marker lamp harness, 30’ (360”)

**TWO SLIM-LINE MALES TO TWO SLIM-LINE UNDER-LAMP FEMALES**

- **66221** Marker lamp or ABS fault lamp, 5’ (60”)
- **66222** Jumper, 8’ (96”)
- **66164** Jumper, 8’ 9” (105”)
**TWO STANDARD MALES TO TWO STANDARD FEMALES**

- **66133** Marker lamp jumper, 4’ 4” (52”)

**TWO STANDARD MALES TO TWO DOUBLE FEMALES**

- **66171** Marker lamp jumper, 14’ (168”)
- **66145** Marker lamp jumper, 26’ (312”)
- **66143** Marker lamp jumper, 31’ (372”)
- **66141** Marker lamp jumper, 34’ (408”)

**TWO SLIM-LINE MALE TO TWO DOUBLE FEMALES**

- **66165** Marker lamp jumper, 1’ (12”)
- **66155** Marker lamp jumper, 2’ 6” (30”)
- **66154** Marker lamp jumper, 4’ 7” (55”)
- **66153** Marker lamp jumper, 7’ (84”)
- **66152** Marker lamp jumper, 10’ 9” (129”)
- **66151** Marker lamp jumper, 12’ 8” (152”)
- **66150** Marker lamp jumper, 16’ (192”)
- **66135** Marker lamp jumper, 26’ 11” (323”)