

FIXTURE WHIPS

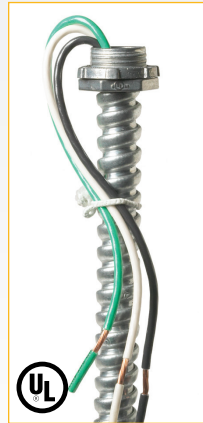
STANDARD FIXTURE WHIPS — COMMONALITIES

- UL Listed as a complete wire assembly that complies with the 2017 National Electrical Code: Articles 348.20(A)(2), 348.22, 410.117(A), (B) and (C), and 410.137(C). File #E87199.
- Manufactured using UL Listed or UL recognized components.
- Stranded and Solid THHN Conductors.
- Packaging — 30 per Carton or 100 in a fiber drum.

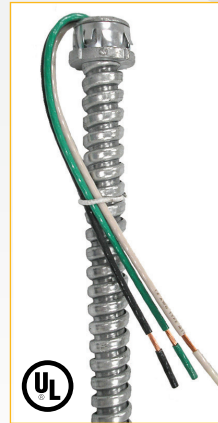
Note: Specify packaging requirements when placing your order. Add the "C" suffix to indicate 30 Fixture Whips per Carton.

All stranded and solid wire conductors are stripped 5/8" (.625") from the end of the conductor and securely tied to prevent damage to the conductors.

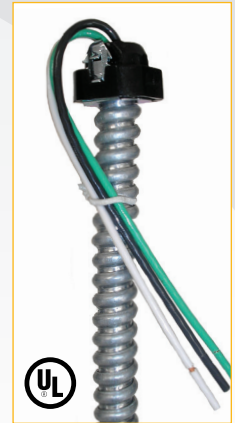
We manufacture Fixture Whips for 277 Volt applications. Contact our Inside Sales Department (sales@engproducts.com or 800.336.1976) for more specific information.



Die Cast Screw-In Connector



Die Cast Snap-In Connector



Polycarbonate Snap-In Connector

STANDARD FIXTURE WHIP PART NUMBERS

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|---|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| Stranded Wire Fixture Whips With Die Cast Screw-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263 | 10315 | 3-12 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1462 | 10303 | 2-14 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1463 | 10307 | 3-14 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464 | 10308 | 4-14 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1662 | 10300 | 2-16 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1663 | 10301 | 3-16 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664 | 10302 | 4-16 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1862 | 10297 | 2-18 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863 | 10298 | 3-18 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864 | 10299 | 4-18 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Solid Wire Fixture Whips With Die Cast Screw-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263S | 10337 | 3-12 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1462S | 10333 | 2-14 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1463S | 10334 | 3-14 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464S | 10335 | 4-14 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1662S | 10330 | 2-16 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1663S | 10331 | 3-16 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664S | 10332 | 4-16 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1862S | 10327 | 2-18 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863S | 10328 | 3-18 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864S | 10329 | 4-18 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Stranded Wire Fixture Whips With Die Cast Screw-In Connectors - 1/2" (.5") Conduit | | | | | | | | | | |
| EPW1263-1/2 | 11600 | 3-12 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 186 |
| EPW1264-1/2 | 10286 | 4-12 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 195 |
| EPW1463-1/2 | 10309 | 3-14 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1464-1/2 | 10313 | 4-14 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |

UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; Order Qty: Number of pieces in each Unit; Unit Pkg: Packaging types - BG (Bag), BX (Box), BRL (Barrel); Units/Case: Unit packages contained in the Case; TL Case Qty: The total number of items in each Master Case; Min Order Qty: The smallest Unit that can be ordered; MM Req: Must order multiples of the Unit in the stated quantities; Ship Wt (Lbs): Total weight of the units per Carton

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Specifications subject to change without prior notice.



ENGINEERED PRODUCTS CO.

FIXTURE WHIPS

STANDARD FIXTURE WHIP PART NUMBERS (CONTINUED)

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|---|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| Solid Wire Fixture Whips With Die Cast Screw-In Connectors - 1/2" (.5") Conduit | | | | | | | | | | |
| EPW1263S-1/2 | 10314 | 3-12 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 186 |
| EPW1264S-1/2 | 10289 | 4-12 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 195 |
| EPW1463S-1/2 | 10575 | 3-14 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1464S-1/2 | 10577 | 4-14 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| Stranded Wire Fixture Whips With Die Cast Snap-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263AD | 10556 | 3-12 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1264AD | 10558 | 4-12 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1462AD | 10560 | 2-14 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1463AD | 10369 | 3-14 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464AD | 10442 | 4-14 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1662AD | 10566 | 2-16 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1663AD | 10517 | 3-16 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664AD | 10568 | 4-16 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1862AD | 10569 | 2-18 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863AD | 10281 | 3-18 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864AD | 10280 | 4-18 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Solid Wire Fixture Whips With Die Cast Snap-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263SAD | 10557 | 3-12 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1264SAD | 10559 | 4-12 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1462SAD | 10561 | 2-14 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1463SAD | 10450 | 3-14 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464SAD | 10529 | 4-14 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1862SAD | 10570 | 2-18 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863SAD | 10367 | 3-18 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864SAD | 10368 | 4-18 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Stranded Wire Fixture Whips With Polycarbonate Snap-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263A | 10319 | 3-12 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1463A | 10317 | 3-14 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464A | 10326 | 4-14 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1662A | 10323 | 2-16 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1663A | 10324 | 3-16 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664A | 10325 | 4-16 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1862A | 10320 | 2-18 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863A | 10321 | 3-18 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864A | 10322 | 4-18 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Solid Wire Fixture Whips With Polycarbonate Snap-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1262SA | 10347 | 2-12 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1263SA | 10348 | 3-12 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1463SA | 10345 | 3-14 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464SA | 10346 | 4-14 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1663SA | 10342 | 3-16 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664SA | 10343 | 4-16 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1863SA | 10339 | 3-18 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864SA | 10340 | 4-18 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |

UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; **Order Qty:** Number of pieces in each Unit; **Unit Pkg:** Packaging types - BG (Bag), BX (Box), BRL (Barrel); **Units/Case:** Unit packages contained in the Case; **TL Case Qty:** The total number of items in each Master Case; **Min Order Qty:** The smallest Unit that can be ordered; **MM Req:** Must order multiples of the Unit in the stated quantities; **Ship Wt (Lbs):** Total weight of the units per Carton

Specifications subject to change without prior notice.

RETROFIT FIXTURE WHIPS WITH DIE CAST SCREW-IN CONNECTORS

- UL Listed as a complete wire assembly that complies with the 2017 National Electrical Code: Articles 348.20(A)(2), 348.22, 410.117(A), (B) and (C), and 410.137(C). File #E87199.
- Labor saving Fixture Whips that expedite the installation process when contractors upgrade existing fluorescent luminaires with new energy saving ballast.
- All stranded and solid wire conductors are stripped 5/8" (.625") from the end of the conductor and securely tied to prevent damage to the conductors and eliminate lost lock nuts.
- Includes Die Cast Screw-In Connectors on each end.



Meets the requirements of the 2017 National Electrical Code: Article 410.137(C) as follows:

Wired luminaire sections are paired, with a ballast(s) supplying a lamp or lamps in both. For interconnection between paired units, it shall be permissible to use metric designator 12 (trade size 3/8") flexible metal conduit in lengths not exceeding 7.5 m (25-ft) in conformance with Article 348. Luminaire wire operating at line voltage, supplying only the ballast(s) of one of the paired luminaires, shall be permitted in the same raceway as the lamp supply wires of the paired luminaires. See Figure 1.

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|---|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| Stranded Wire Retrofit Fixture Whips | | | | | | | | | | |
| EPW18103 | 10400 | 3-18 AWG Stranded Wire: 3/8" Conduit, 10-FT Length - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 133 |
| EPW18104 | 10402 | 4-18 AWG Stranded Wire: 3/8" Conduit, 10-FT Length - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 142 |
| Solid Wire Retrofit Fixture Whips | | | | | | | | | | |
| EPW18103S | 10401 | 3-18 AWG Solid Wire: 3/8" Conduit, 10-FT Length - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 133 |
| EPW18104S | 10403 | 2-16 AWG Solid Wire: 3/8" Conduit, 10-FT Length - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 142 |

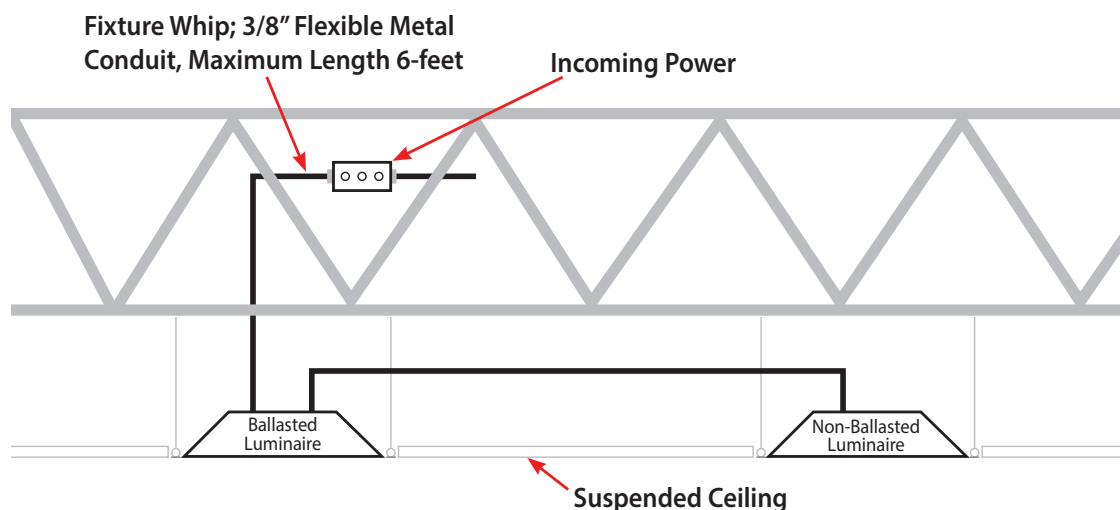


Figure 1: Allowable application for a Flexible Metal Conduit (FMC) Fixture Whip with a maximum 25-foot restriction.

UNITS OF MEASURE KEY

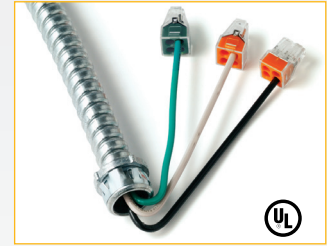
Order Unit: The Unit to be ordered; **Order Qty:** Number of pieces in each Unit; **Unit Pkg:** Packaging types - BG (Bag), BX (Box), BRL (Barrel); **Units/Case:** Unit packages contained in the Case; **TL Case Qty:** The total number of items in each Master Case; **Min Order Qty:** The smallest Unit that can be ordered; **MM Req:** Must order multiples of the Unit in the stated quantities; **Ship Wt (Lbs):** Total weight of the units per Carton

Specifications subject to change without prior notice.

FIXTURE WHIPS

QUIKWHIP FIXTURE WHIPS

- UL Listed as a complete wire assembly that complies with the 2017 National Electrical Code: Articles 348.20(A)(2), 348.22, 410.117(A), (B) and (C), and 410.137(C). File #E87199.
- Pre-attached connectors add speed and dependability.
- No tools required! A cost-effective solution that eliminates lock nuts and wire nuts.
- Average Time Savings: 45% or up to three (3) minutes per luminaire installation.
- Approximate "installed" cost savings per luminaire: \$2.00 - \$3.00.
- Solid or Stranded THHN Conductors enclosed in 6-feet of 3/8" (.375") Flexible Metal Conduit — Standard.



QuikWhip Fixture Whips Part Number Reference Example: EPW 1 8 6 4 S A D P 2 - H N G

18 = Wire Gauge; 6 = Length (in feet); 4 = Wires; S = Solid Wire; AD = Die Cast Snap-In Connector; P = Pushwire Style Connector; 2 = Each End.

WAGO Connectors will be pre-attached to each end of the QuikWhip on the HOT, Neutral and Ground wires. HNG = Hot/Neutral/Ground.

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|--------------------------------|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| Stranded Wire QuikWhips | | | | | | | | | | |
| EPW1463ADP2-HNG | 10531 | 3-14 AWG: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 171 |
| EPW1464ADP2-HNG | 10532 | 4-14 AWG: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 171 |
| Solid Wire QuikWhips | | | | | | | | | | |
| EPW1263SADP1-HN | 10548 | 3-12 AWG: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 191 |
| EPW1263SADP2-HNG | 10535 | 3-12 AWG: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 191 |
| EPW1863SADP2-HNG | 10533 | 3-18 AWG: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 161 |
| EPW1864SADP2-HNG | 10534 | 4-18 AWG: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 171 |

UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; **Order Qty:** Number of pieces in each Unit; **Unit Pkg:** Packaging types - BG (Bag), BX (Box), BRL (Barrel); **Units/Case:** Unit packages contained in the Case; **TL Case Qty:** The total number of items in each Master Case; **Min Order Qty:** The smallest Unit that can be ordered; **MM Req:** Must order multiples of the Unit in the stated quantities; **Ship Wt (Lbs):** Total weight of the units per Carton

Specifications subject to change without prior notice.

CUSTOM FIXTURE WHIP ORDER FORM

We will build "Labor Saving" Fixture Whips to your specifications. Please use the information below to specify your non-Catalog Custom Fixture Whip requirements. Complete this form and fax to:

Engineered Products Company, Attention: Inside Sales Department, FAX: 952.767.8786

If you need a quote on more than one Custom Fixture Whip, please complete a separate form for each variation.

Distributor: _____ Contact: _____

Address: _____ City: _____ State/Zip: _____

Sales Agency: _____ Contact Name: _____ Target Price (\$): _____

Wire (TFFN or THHN): Solid Stranded Wire Lead Length: 6-inch 12-inch Other (specify) _____

Wire Gauge: 12 14 16 18 Connector Type: Left End Right End (specify) _____

Wire Colors: Black White Red Conduit Material: 3/8-inch 1/2-inch (Flexible Metal, Steel)

Green Blue Grey *Liquid Tight Conduit: 3/8-inch 1/2-inch

Brown Purple Pink Insulated Throat: Yes No

Orange Yellow Other* (specify): _____

Conduit Length: 6-Foot 8-Foot 10-Foot 12-Foot Other* _____ *require longer lead times

Quantity Needed: _____ Requested Shipping Date: _____

Description: _____

If your application requires a Connector other than what is shown in the Reference Guide, please indicate the following:

Connector Type: _____
 Manufacturer: _____
 Part Number: _____

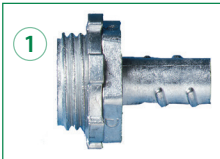
Push-in Wire Connectors: Select wire color AND choose which end requires a Push-in Wire Connector:



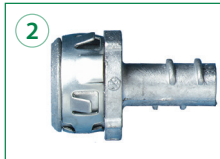
- | | | | | | | | | |
|-----------------------------------|------------------------------------|---------------------------------|-----------------------------------|------------------------------------|---------------------------------|-----------------------------------|------------------------------------|-------------------------------|
| <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Black | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> White | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Red |
| <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Green | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Blue | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Grey |
| <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Brown | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Purple | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Pink |
| <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Orange | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Yellow | | | |

CONNECTOR REFERENCE GUIDE

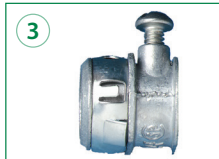
Common connectors used on pre-made assembly.



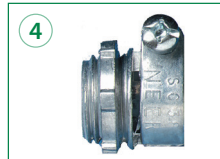
Size: 3/8": P/N E00-001-002
 1/2": P/N E00-026-000
 Type: Screw-in
 Material: Die Cast
 Insulated: Yes or No (circle one)



Size: 3/8": P/N E00-003-000
 1/2": P/N E00-005-000
 Type: Screw-in/Snap-in
 Material: Die Cast
 Insulated: Yes or No (circle one)



Size: 3/8": P/N E00-003-001
 Type: Set Screw, Snap-in
 Material: Die Cast
 Insulated: No



Size: 3/8": P/N E00-041-000
 1/2": P/N E00-042-000
 Type: Set Screw, Squeeze
 Material: Die Cast
 Insulated: No



Size: 3/8": P/N E00-002-000
 1/2": P/N E00-013-000
 Type: Exterior, Snap-in
 Material: Plastic w/Steel
 Insulated: Yes



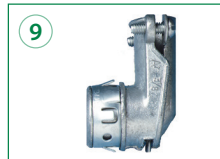
Size: 3/8": P/N E00-041-002
 1/2": P/N E00-042-002
 Type: Set Screw, Squeeze
 Material: Steel
 Insulated: 3/8": No
 1/2": Yes



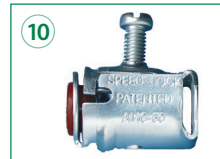
Size: 3/8": P/N E00-054-000
 1/2": P/N E00-055-000
 Type: Set Screw, Squeeze
 Material: Steel
 Insulated: Yes



Size: 3/8": P/N E00-007-000
 1/2": P/N E00-010-000
 Type: Set Screw, 90°
 Material: Die Cast
 Insulated: Yes or No (circle one)



Size: 3/8": P/N E00-015-000
 1/2": P/N E00-005-001
 Type: Snap-in, 90°
 Material: Die Cast
 Insulated: No



Size: 3/8": P/N E00-003-003
 1/2": P/N E00-004-003
 Type: Speed Lock Style, Snap-in
 Material: Steel
 Insulated: Yes

*Note: Connectors are not sold separately. Other connectors, not listed, can be specified for your custom fixture whip. Contact our EPCO Inside Sales Department (800.336.1976 or sales@engproducts.com) for other connector options.

Specifications subject to change without prior notice.

FIXTURE WHIPS

PRODUCT WARRANTY

Unless otherwise noted, Engineered Products Company (herein known as EPCO) warrants that the products described herein, will be furnished free from defects in material and workmanship for one (1) year. Any exceptions to this Warranty Statement will be detailed within the respective warranty section in this product catalog, noted on the product itself, or the product packaging.

EPCO's sole obligation for any breach of warranty under the terms herein shall be, at our option, to repair or provide replacement for the Product to which such warranty is breached, or to return all payments made with respect to such product. Any product(s) that are deemed to be defective must be specified by the Purchaser in a written notice to EPCO's Warranty Department within one (1) year after receipt of such goods. Under no circumstances will EPCO be liable for loss of profits or incidental, indirect, consequential or special damages of any kind beyond the replacement cost of the defective merchandise.

EPCO shall not be liable for any losses arising from governmental action, an act of God, or the result of war, riot, strikes, civil commotion, sovereign conduct, or the act or conduct of any person or persons not party to or associated with EPCO.

Distributed By:

E02-150-001 B1 (05/18-BB)
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PRODUCTS CO.**

FIXTURE WHIPS

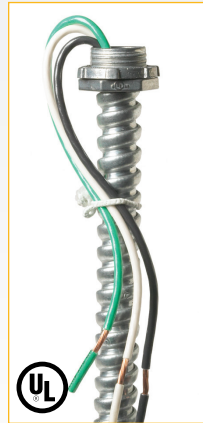
STANDARD FIXTURE WHIPS — COMMONALITIES

- UL Listed as a complete wire assembly that complies with the 2017 National Electrical Code: Articles 348.20(A)(2), 348.22, 410.117(A), (B) and (C), and 410.137(C). File #E87199.
- Manufactured using UL Listed or UL recognized components.
- Stranded and Solid THHN Conductors.
- Packaging — 30 per Carton or 100 in a fiber drum.

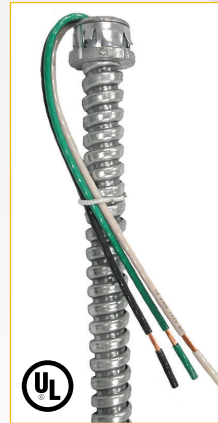
Note: Specify packaging requirements when placing your order. Add the "C" suffix to indicate 30 Fixture Whips per Carton.

All stranded and solid wire conductors are stripped 5/8" (.625") from the end of the conductor and securely tied to prevent damage to the conductors.

We manufacture Fixture Whips for 277 Volt applications. Contact our Inside Sales Department (sales@engproducts.com or 800.336.1976) for more specific information.



Die Cast Screw-In Connector



Die Cast Snap-In Connector



Polycarbonate Snap-In Connector

STANDARD FIXTURE WHIP PART NUMBERS

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|---|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| Stranded Wire Fixture Whips With Die Cast Screw-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263 | 10315 | 3-12 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1462 | 10303 | 2-14 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1463 | 10307 | 3-14 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464 | 10308 | 4-14 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1662 | 10300 | 2-16 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1663 | 10301 | 3-16 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664 | 10302 | 4-16 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1862 | 10297 | 2-18 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863 | 10298 | 3-18 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864 | 10299 | 4-18 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Solid Wire Fixture Whips With Die Cast Screw-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263S | 10337 | 3-12 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1462S | 10333 | 2-14 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1463S | 10334 | 3-14 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464S | 10335 | 4-14 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1662S | 10330 | 2-16 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1663S | 10331 | 3-16 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664S | 10332 | 4-16 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1862S | 10327 | 2-18 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863S | 10328 | 3-18 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864S | 10329 | 4-18 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Stranded Wire Fixture Whips With Die Cast Screw-In Connectors - 1/2" (.5") Conduit | | | | | | | | | | |
| EPW1263-1/2 | 11600 | 3-12 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 186 |
| EPW1264-1/2 | 10286 | 4-12 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 195 |
| EPW1463-1/2 | 10309 | 3-14 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1464-1/2 | 10313 | 4-14 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |

UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; Order Qty: Number of pieces in each Unit; Unit Pkg: Packaging types - BG (Bag), BX (Box), BRL (Barrel); Units/Case: Unit packages contained in the Case; TL Case Qty: The total number of items in each Master Case; Min Order Qty: The smallest Unit that can be ordered; MM Req: Must order multiples of the Unit in the stated quantities; Ship Wt (Lbs): Total weight of the units per Carton

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FIXTURE WHIPS

STANDARD FIXTURE WHIP PART NUMBERS (CONTINUED)

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|---|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| Solid Wire Fixture Whips With Die Cast Screw-In Connectors - 1/2" (.5") Conduit | | | | | | | | | | |
| EPW1263S-1/2 | 10314 | 3-12 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 186 |
| EPW1264S-1/2 | 10289 | 4-12 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 195 |
| EPW1463S-1/2 | 10575 | 3-14 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1464S-1/2 | 10577 | 4-14 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| Stranded Wire Fixture Whips With Die Cast Snap-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263AD | 10556 | 3-12 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1264AD | 10558 | 4-12 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1462AD | 10560 | 2-14 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1463AD | 10369 | 3-14 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464AD | 10442 | 4-14 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1662AD | 10566 | 2-16 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1663AD | 10517 | 3-16 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664AD | 10568 | 4-16 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1862AD | 10569 | 2-18 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863AD | 10281 | 3-18 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864AD | 10280 | 4-18 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Solid Wire Fixture Whips With Die Cast Snap-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263SAD | 10557 | 3-12 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1264SAD | 10559 | 4-12 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1462SAD | 10561 | 2-14 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1463SAD | 10450 | 3-14 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464SAD | 10529 | 4-14 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1862SAD | 10570 | 2-18 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863SAD | 10367 | 3-18 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864SAD | 10368 | 4-18 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Stranded Wire Fixture Whips With Polycarbonate Snap-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1263A | 10319 | 3-12 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1463A | 10317 | 3-14 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464A | 10326 | 4-14 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1662A | 10323 | 2-16 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1663A | 10324 | 3-16 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664A | 10325 | 4-16 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1862A | 10320 | 2-18 AWG Stranded Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 155 |
| EPW1863A | 10321 | 3-18 AWG Stranded Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864A | 10322 | 4-18 AWG Stranded Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| Solid Wire Fixture Whips With Polycarbonate Snap-In Connectors - 3/8" (.375") Conduit | | | | | | | | | | |
| EPW1262SA | 10347 | 2-12 AWG Solid Wire: 6-FT - Black, White | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1263SA | 10348 | 3-12 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 190 |
| EPW1463SA | 10345 | 3-14 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |
| EPW1464SA | 10346 | 4-14 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 180 |
| EPW1663SA | 10342 | 3-16 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 165 |
| EPW1664SA | 10343 | 4-16 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 175 |
| EPW1863SA | 10339 | 3-18 AWG Solid Wire: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 160 |
| EPW1864SA | 10340 | 4-18 AWG Solid Wire: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 170 |

UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; **Order Qty:** Number of pieces in each Unit; **Unit Pkg:** Packaging types - BG (Bag), BX (Box), BRL (Barrel); **Units/Case:** Unit packages contained in the Case; **TL Case Qty:** The total number of items in each Master Case; **Min Order Qty:** The smallest Unit that can be ordered; **MM Req:** Must order multiples of the Unit in the stated quantities; **Ship Wt (Lbs):** Total weight of the units per Carton

Specifications subject to change without prior notice.

RETROFIT FIXTURE WHIPS WITH DIE CAST SCREW-IN CONNECTORS

- UL Listed as a complete wire assembly that complies with the 2017 National Electrical Code: Articles 348.20(A)(2), 348.22, 410.117(A), (B) and (C), and 410.137(C). File #E87199.
- Labor saving Fixture Whips that expedite the installation process when contractors upgrade existing fluorescent luminaires with new energy saving ballast.
- All stranded and solid wire conductors are stripped 5/8" (.625") from the end of the conductor and securely tied to prevent damage to the conductors and eliminate lost lock nuts.
- Includes Die Cast Screw-In Connectors on each end.



Meets the requirements of the 2017 National Electrical Code: Article 410.137(C) as follows:

Wired luminaire sections are paired, with a ballast(s) supplying a lamp or lamps in both. For interconnection between paired units, it shall be permissible to use metric designator 12 (trade size 3/8") flexible metal conduit in lengths not exceeding 7.5 m (25-ft) in conformance with Article 348. Luminaire wire operating at line voltage, supplying only the ballast(s) of one of the paired luminaires, shall be permitted in the same raceway as the lamp supply wires of the paired luminaires. See Figure 1.

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|---|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| Stranded Wire Retrofit Fixture Whips | | | | | | | | | | |
| EPW18103 | 10400 | 3-18 AWG Stranded Wire: 3/8" Conduit, 10-FT Length - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 133 |
| EPW18104 | 10402 | 4-18 AWG Stranded Wire: 3/8" Conduit, 10-FT Length - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 142 |
| Solid Wire Retrofit Fixture Whips | | | | | | | | | | |
| EPW18103S | 10401 | 3-18 AWG Solid Wire: 3/8" Conduit, 10-FT Length - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 133 |
| EPW18104S | 10403 | 2-16 AWG Solid Wire: 3/8" Conduit, 10-FT Length - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 142 |

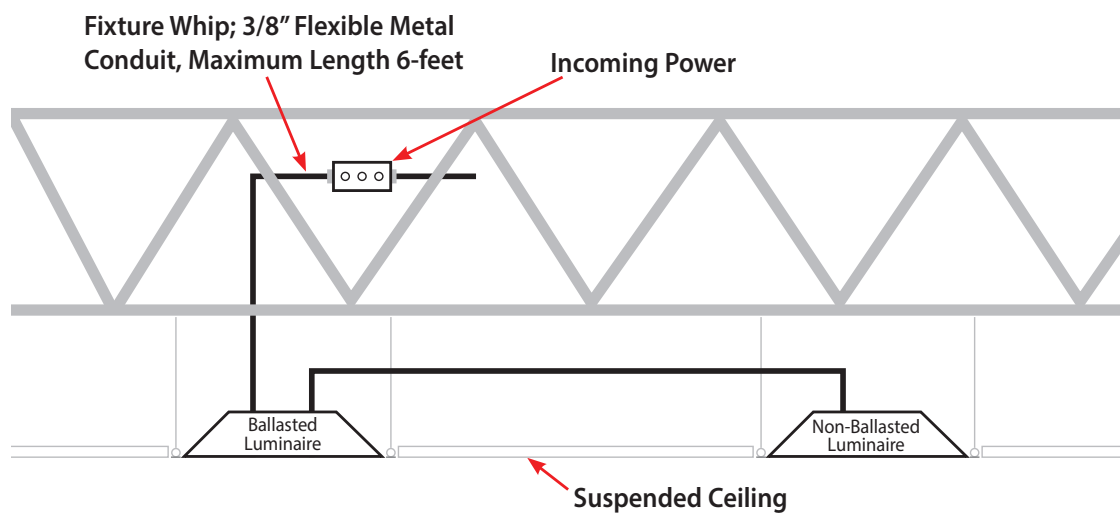


Figure 1: Allowable application for a Flexible Metal Conduit (FMC) Fixture Whip with a maximum 25-foot restriction.

UNITS OF MEASURE KEY

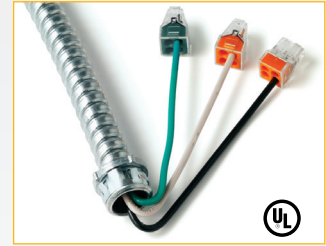
Order Unit: The Unit to be ordered; **Order Qty:** Number of pieces in each Unit; **Unit Pkg:** Packaging types - BG (Bag), BX (Box), BRL (Barrel); **Units/Case:** Unit packages contained in the Case; **TL Case Qty:** The total number of items in each Master Case; **Min Order Qty:** The smallest Unit that can be ordered; **MM Req:** Must order multiples of the Unit in the stated quantities; **Ship Wt (Lbs):** Total weight of the units per Carton

Specifications subject to change without prior notice.

FIXTURE WHIPS

QUIKWHIP FIXTURE WHIPS

- UL Listed as a complete wire assembly that complies with the 2017 National Electrical Code: Articles 348.20(A)(2), 348.22, 410.117(A), (B) and (C), and 410.137(C). File #E87199.
- Pre-attached connectors add speed and dependability.
- No tools required! A cost-effective solution that eliminates lock nuts and wire nuts.
- Average Time Savings: 45% or up to three (3) minutes per luminaire installation.
- Approximate "installed" cost savings per luminaire: \$2.00 - \$3.00.
- Solid or Stranded THHN Conductors enclosed in 6-feet of 3/8" (.375") Flexible Metal Conduit — Standard.



QuikWhip Fixture Whips Part Number Reference Example: EPW 1 8 6 4 S A D P 2 - H N G

18 = Wire Gauge; 6 = Length (in feet); 4 = Wires; S = Solid Wire; AD = Die Cast Snap-In Connector; P = Pushwire Style Connector; 2 = Each End.

WAGO Connectors will be pre-attached to each end of the QuikWhip on the HOT, Neutral and Ground wires. HNG = Hot/Neutral/Ground.

| Catalog Number | UPC Number | Description | Order Unit | Unit Qty | Unit Pkg | Units/Case | TL Case Qty | Min Order Qty | MM Req | Ship Wt (Lbs) |
|--------------------------------|------------|---|------------|----------|----------|------------|-------------|---------------|--------|---------------|
| Stranded Wire QuikWhips | | | | | | | | | | |
| EPW1463ADP2-HNG | 10531 | 3-14 AWG: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 171 |
| EPW1464ADP2-HNG | 10532 | 4-14 AWG: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 171 |
| Solid Wire QuikWhips | | | | | | | | | | |
| EPW1263SADP1-HN | 10548 | 3-12 AWG: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 191 |
| EPW1263SADP2-HNG | 10535 | 3-12 AWG: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 191 |
| EPW1863SADP2-HNG | 10533 | 3-18 AWG: 6-FT - Black, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 161 |
| EPW1864SADP2-HNG | 10534 | 4-18 AWG: 6-FT - Black, Red, White, Green | EA | 1 | BRL | 100 | 100 | 10 | Yes | 171 |

UNITS OF MEASURE KEY

Order Unit: The Unit to be ordered; **Order Qty:** Number of pieces in each Unit; **Unit Pkg:** Packaging types - BG (Bag), BX (Box), BRL (Barrel); **Units/Case:** Unit packages contained in the Case; **TL Case Qty:** The total number of items in each Master Case; **Min Order Qty:** The smallest Unit that can be ordered; **MM Req:** Must order multiples of the Unit in the stated quantities; **Ship Wt (Lbs):** Total weight of the units per Carton

Specifications subject to change without prior notice.

CUSTOM FIXTURE WHIP ORDER FORM

We will build "Labor Saving" Fixture Whips to your specifications. Please use the information below to specify your non-Catalog Custom Fixture Whip requirements. Complete this form and fax to:

Engineered Products Company, Attention: Inside Sales Department, FAX: 952.767.8786

If you need a quote on more than one Custom Fixture Whip, please complete a separate form for each variation.

Distributor: _____ Contact: _____

Address: _____ City: _____ State/Zip: _____

Sales Agency: _____ Contact Name: _____ Target Price (\$): _____

Wire (TFFN or THHN): Solid Stranded Wire Lead Length: 6-inch 12-inch Other (specify) _____

Wire Gauge: 12 14 16 18 Connector Type: Left End Right End (specify) _____

Wire Colors: Black White Red Conduit Material: 3/8-inch 1/2-inch (Flexible Metal, Steel)

Green Blue Grey *Liquid Tight Conduit: 3/8-inch 1/2-inch

Brown Purple Pink Insulated Throat: Yes No

Orange Yellow Other* (specify): _____

Conduit Length: 6-Foot 8-Foot 10-Foot 12-Foot Other* _____ *require longer lead times

Quantity Needed: _____ Requested Shipping Date: _____

Description: _____

If your application requires a Connector other than what is shown in the Reference Guide, please indicate the following:

Connector Type: _____

Manufacturer: _____

Part Number: _____

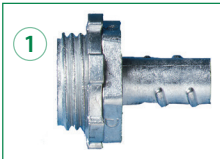
Push-in Wire Connectors: Select wire color AND choose which end requires a Push-in Wire Connector:



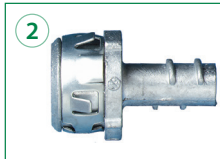
- | | | | | | | | | |
|-----------------------------------|------------------------------------|---------------------------------|-----------------------------------|------------------------------------|---------------------------------|-----------------------------------|------------------------------------|-------------------------------|
| <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Black | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> White | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Red |
| <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Green | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Blue | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Grey |
| <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Brown | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Purple | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Pink |
| <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Orange | <input type="checkbox"/> Left End | <input type="checkbox"/> Right End | <input type="checkbox"/> Yellow | | | |

CONNECTOR REFERENCE GUIDE

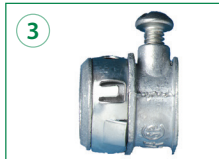
Common connectors used on pre-made assembly.



Size: 3/8": P/N E00-001-002
1/2": P/N E00-026-000
Type: Screw-in
Material: Die Cast
Insulated: Yes or No (circle one)



Size: 3/8": P/N E00-003-000
1/2": P/N E00-005-000
Type: Screw-in/Snap-in
Material: Die Cast
Insulated: Yes or No (circle one)



Size: 3/8": P/N E00-003-001
Type: Set Screw, Snap-in
Material: Die Cast
Insulated: No



Size: 3/8": P/N E00-041-000
1/2": P/N E00-042-000
Type: Set Screw, Squeeze
Material: Die Cast
Insulated: No



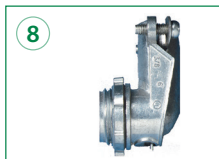
Size: 3/8": P/N E00-002-000
1/2": P/N E00-013-000
Type: Exterior, Snap-in
Material: Plastic w/Steel
Insulated: Yes



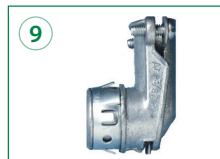
Size: 3/8": P/N E00-041-002
1/2": P/N E00-042-002
Type: Set Screw, Squeeze
Material: Steel
Insulated: 3/8": No
1/2": Yes



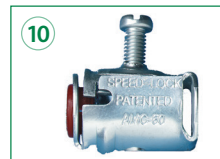
Size: 3/8": P/N E00-054-000
1/2": P/N E00-055-000
Type: Set Screw, Squeeze
Material: Steel
Insulated: Yes



Size: 3/8": P/N E00-007-000
1/2": P/N E00-010-000
Type: Set Screw, 90°
Material: Die Cast
Insulated: Yes or No (circle one)



Size: 3/8": P/N E00-015-000
1/2": P/N E00-005-001
Type: Snap-in, 90°
Material: Die Cast
Insulated: No



Size: 3/8": P/N E00-003-003
1/2": P/N E00-004-003
Type: Speed Lock Style, Snap-in
Material: Steel
Insulated: Yes

*Note: Connectors are not sold separately. Other connectors, not listed, can be specified for your custom fixture whip. Contact our EPCO Inside Sales Department (800.336.1976 or sales@engproducts.com) for other connector options.

Specifications subject to change without prior notice.

FIXTURE WHIPS

PRODUCT WARRANTY

Unless otherwise noted, Engineered Products Company (herein known as EPCO) warrants that the products described herein, will be furnished free from defects in material and workmanship for one (1) year. Any exceptions to this Warranty Statement will be detailed within the respective warranty section in this product catalog, noted on the product itself, or the product packaging.

EPCO's sole obligation for any breach of warranty under the terms herein shall be, at our option, to repair or provide replacement for the Product to which such warranty is breached, or to return all payments made with respect to such product. Any product(s) that are deemed to be defective must be specified by the Purchaser in a written notice to EPCO's Warranty Department within one (1) year after receipt of such goods. Under no circumstances will EPCO be liable for loss of profits or incidental, indirect, consequential or special damages of any kind beyond the replacement cost of the defective merchandise.

EPCO shall not be liable for any losses arising from governmental action, an act of God, or the result of war, riot, strikes, civil commotion, sovereign conduct, or the act or conduct of any person or persons not party to or associated with EPCO.

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