

ISW SERIES - DIRECT BURIAL AND SUBMERSIBLE IN-LINE SPLICER/REDUCERS



ISW Series connectors are suitable for connecting two wires in-line and are UL Listed for direct burial and submersible applications (UL486D). Insulated with specially formulated high-strength dielectric plastisol and molded for precise fit for a direct burial connection. Requires no taping, compounds, heat shrink or cutting-to-size in the

field. Supplied with removable access plugs over the hex screws. Abrasion and chemical resistant. UV rated. Will not support combustion. Cold temperature rated to -45°C. Suitable for use with aluminum and/or copper conductors. 600 volts. 90°C. Reusable.

| CAT. NO. | UPC CODE | WIRE RANGE URD/USE THHN/XHHW* | INSULATION | | HEX SIZE | WEIGHT LBS. | (INCHES) | | | STRIP LENGTH | TIGHTENING TORQUE |
|----------|----------|----------------------------------|------------|---------|----------|----------------|----------|--------|-------|--------------|-------------------|
| | | | MIN DIA | MAX DIA | | | LENGTH | HEIGHT | WIDTH | | |
| ISW-4 | 78925 | 4-6 AWG | 0.244 | 0.412 | slotted | .12 | 6.39 | 1.38 | .75 | 13/16 | 45 |
| ISW-1 | 78926 | 1-2 AWG | 0.352 | 0.582 | 3/16 | .20 | 6.83 | 1.68 | .88 | 27/32 | 150 |
| ISW-3/0 | 78927 | 3/0-1/0 AWG | 0.462 | 0.720 | 1/4 | .25 | 7.05 | 1.78 | .94 | 7/8 | 250 |
| ISW-250 | 78928 | 250-4/0 AWG | 0.618 | 0.895 | 5/16 | .40 | 7.58 | 2.13 | 1.13 | 1 1/8 | 360 |

Approved for use with all conductors with insulation suitable for wet and/or damp locations. (Not recommended for use with extra flexible cable. See Polaris Grey™, page 88).

* Not suitable for direct burial with THHN/XHHW wire. For use in enclosures only. A properly installed connector will have no more than one conductor per port.

IPLW AND ITW MULTI-CABLE CONNECTORS



Suitable for connecting multiple wires and are UL Listed (UL486D) for direct burial and submersible applications. Insulated with specially formulated high-strength dielectric plastisol and molded for precise fit for a direct burial connection. Requires no taping, compounds, heat shrink or cutting-

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| CAT. NO. | UPC CODE | NO. OF PORTS | WIRE RANGE URD/USE THHN/XHHW* | INSULATION | | HEX SIZE | WEIGHT LBS. | (INCHES) | | | STRIP LENGTH | TNG. TORQ. |
|-----------|----------|--------------|----------------------------------|------------|---------|----------|----------------|----------|--------|-------|--------------|------------|
| | | | | MIN DIA | MAX DIA | | | LENGTH | HEIGHT | WIDTH | | |
| ITW-4 | 95123 | 2 | 4-6 AWG | .244 | .412 | slotted | .11 | 1.68 | 1.38 | 3.26 | 3/16 | 45 |
| IPLW4-3 | 95115 | 3 | 4-6 AWG | .244 | .412 | slotted | .19 | 2.64 | 1.38 | 3.26 | 3/16 | 45 |
| IPLW4-4 | 95116 | 4 | 4-6 AWG | .244 | .412 | slotted | .27 | 3.61 | 1.38 | 3.26 | 3/16 | 45 |
| IPLW4-5 | 78929 | 5 | 4-6 AWG | .244 | .412 | slotted | .35 | 4.57 | 1.38 | 3.26 | 3/16 | 45 |
| IPLW4-6 | 78930 | 6 | 4-6 AWG | .244 | .412 | slotted | .43 | 5.54 | 1.38 | 3.26 | 3/16 | 45 |
| ITW-1 | 95126 | 2 | 1-2 AWG | .352 | .582 | 3/16 | .19 | 1.87 | 1.68 | 3.55 | 27/32 | 150 |
| IPLW1-3 | 95121 | 3 | 1-2 AWG | .352 | .582 | 3/16 | .29 | 2.80 | 1.68 | 3.55 | 27/32 | 150 |
| IPLW1-4 | 95122 | 4 | 1-2 AWG | .352 | .582 | 3/16 | .39 | 3.72 | 1.68 | 3.55 | 27/32 | 150 |
| IPLW1-5 | 78931 | 5 | 1-2 AWG | .352 | .582 | 3/16 | .49 | 4.65 | 1.68 | 3.55 | 27/32 | 150 |
| IPLW1-6 | 78932 | 6 | 1-2 AWG | .352 | .582 | 3/16 | .59 | 5.57 | 1.68 | 3.55 | 27/32 | 150 |
| ITW-3/0 | 95124 | 2 | 3/0-1/0 AWG | .462 | .720 | 1/4 | .27 | 2.37 | 1.78 | 3.78 | 7/8 | 250 |
| IPLW3/0-3 | 95117 | 3 | 3/0-1/0 AWG | .462 | .720 | 1/4 | .54 | 3.57 | 1.78 | 3.78 | 7/8 | 250 |
| IPLW3/0-4 | 95118 | 4 | 3/0-1/0 AWG | .462 | .720 | 1/4 | .81 | 4.77 | 1.78 | 3.78 | 7/8 | 250 |
| IPLW3/0-5 | 78933 | 5 | 3/0-1/0 AWG | .462 | .720 | 1/4 | 1.08 | 5.97 | 1.78 | 3.78 | 7/8 | 250 |
| IPLW3/0-6 | 78934 | 6 | 3/0-1/0 AWG | .462 | .720 | 1/4 | 1.35 | 7.17 | 1.78 | 3.78 | 7/8 | 250 |
| ITW-250 | 95125 | 2 | 250-4/0 AWG | .618 | .895 | 5/16 | .40 | 2.57 | 2.13 | 3.94 | 1 1/8 | 360 |
| IPLW250-3 | 95119 | 3 | 250-4/0 AWG | .618 | .895 | 5/16 | .62 | 3.81 | 2.13 | 3.94 | 1 1/8 | 360 |
| IPLW250-4 | 95120 | 4 | 250-4/0 AWG | .618 | .895 | 5/16 | .84 | 5.11 | 2.13 | 3.94 | 1 1/8 | 360 |
| IPLW250-5 | 78935 | 5 | 250-4/0 AWG | .618 | .895 | 5/16 | 1.06 | 6.41 | 2.13 | 3.94 | 1 1/8 | 360 |
| IPLW250-6 | 78936 | 6 | 250-4/0 AWG | .618 | .895 | 5/16 | 1.28 | 7.71 | 2.13 | 3.94 | 1 1/8 | 360 |

Approved for use with all conductors with insulation suitable for wet and/or damp locations. (Not recommended for use with extra flexible cable. See Polaris Grey™, page 88).

A properly installed connector will have no more than one conductor per port.

POLARIS BLUE CUSTOM CONNECTORS

Let us custom engineer and fabricate a UL Listed direct burial and submersible insulated connector for your next project. Choose any combination and quantity of our standard Polaris Blue and we'll build a connector to

meet your exact requirements. Wire entry can even be from either side of the connector, based on your specific project needs. UL486D for direct burial or below grade use and submersible applications.

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| ISW-4 | 78925 | 4-6 AWG | 0.244 | 0.412 | slotted | .12 | 6.39 | 1.38 | .75 | 13/16 | 45 |
| ISW-1 | 78926 | 1-2 AWG | 0.352 | 0.582 | 3/16 | .20 | 6.83 | 1.68 | .88 | 27/32 | 150 |
| ISW-3/0 | 78927 | 3/0-1/0 AWG | 0.462 | 0.720 | 1/4 | .25 | 7.05 | 1.78 | .94 | 7/8 | 250 |
| ISW-250 | 78928 | 250-4/0 AWG | 0.618 | 0.895 | 5/16 | .40 | 7.58 | 2.13 | 1.13 | 1 1/8 | 360 |

Approved for use with all conductors with insulation suitable for wet and/or damp locations. (Not recommended for use with extra flexible cable. See Polaris Grey™, page 88).

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| IPLW1-3 | 95121 | 3 | 1-2 AWG | .352 | .582 | 3/16 | .29 | 2.80 | 1.68 | 3.55 | 27/32 | 150 |
| IPLW1-4 | 95122 | 4 | 1-2 AWG | .352 | .582 | 3/16 | .39 | 3.72 | 1.68 | 3.55 | 27/32 | 150 |
| IPLW1-5 | 78931 | 5 | 1-2 AWG | .352 | .582 | 3/16 | .49 | 4.65 | 1.68 | 3.55 | 27/32 | 150 |
| IPLW1-6 | 78932 | 6 | 1-2 AWG | .352 | .582 | 3/16 | .59 | 5.57 | 1.68 | 3.55 | 27/32 | 150 |
| ITW-3/0 | 95124 | 2 | 3/0-1/0 AWG | .462 | .720 | 1/4 | .27 | 2.37 | 1.78 | 3.78 | 7/8 | 250 |
| IPLW3/0-3 | 95117 | 3 | 3/0-1/0 AWG | .462 | .720 | 1/4 | .54 | 3.57 | 1.78 | 3.78 | 7/8 | 250 |
| IPLW3/0-4 | 95118 | 4 | 3/0-1/0 AWG | .462 | .720 | 1/4 | .81 | 4.77 | 1.78 | 3.78 | 7/8 | 250 |
| IPLW3/0-5 | 78933 | 5 | 3/0-1/0 AWG | .462 | .720 | 1/4 | 1.08 | 5.97 | 1.78 | 3.78 | 7/8 | 250 |
| IPLW3/0-6 | 78934 | 6 | 3/0-1/0 AWG | .462 | .720 | 1/4 | 1.35 | 7.17 | 1.78 | 3.78 | 7/8 | 250 |
| ITW-250 | 95125 | 2 | 250-4/0 AWG | .618 | .895 | 5/16 | .40 | 2.57 | 2.13 | 3.94 | 1 1/8 | 360 |
| IPLW250-3 | 95119 | 3 | 250-4/0 AWG | .618 | .895 | 5/16 | .62 | 3.81 | 2.13 | 3.94 | 1 1/8 | 360 |
| IPLW250-4 | 95120 | 4 | 250-4/0 AWG | .618 | .895 | 5/16 | .84 | 5.11 | 2.13 | 3.94 | 1 1/8 | 360 |
| IPLW250-5 | 78935 | 5 | 250-4/0 AWG | .618 | .895 | 5/16 | 1.06 | 6.41 | 2.13 | 3.94 | 1 1/8 | 360 |
| IPLW250-6 | 78936 | 6 | 250-4/0 AWG | .618 | .895 | 5/16 | 1.28 | 7.71 | 2.13 | 3.94 | 1 1/8 | 360 |

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