

THE CHOICE IS CLEAR

Transparent pre-insulated connectors make it easy to see conductor placement, guaranteeing a high-quality connection. Key features include the comfortable ergonomic design, pre-filled oxide inhibitor and heavy-duty offerings rated for parallel runs. Usable on both line and load sides of an installation, Vision Tap is the most versatile multi-tap connector on the market.



THE VISION TAP ADVANTAGE

Clear Design

Visually confirm conductor placement for secure connections

Smooth Exterior Finish

Ergonomic design is comfortable to grip when applying torque

●●●● Parallel Rated
●●●● and UL Listed

Multiple parallel configurations tested for maximum ampacities

Removable Port Plugs

Secures entry port closures and ensures debris prevention

Pre-filled with Oxide Inhibitor

Corrosion prevention for low-contact resistance connections

UL Listed for Line Side of Service Equipment

Polaris Vision Tap products are UL-listed to ensure they meet the stringent testing requirements for use on the line side of service, in full compliance with NEC 230.46 codes.

MULTIPLE CONFIGURATIONS

SINGLE-SIDE ENTRY



DUAL-SIDE ENTRY



IN-LINE ENTRY



SINGLE-SIDE ENTRY

| CATALOG NUMBER | WIRE RANGE (Kcmil/AWG) | PORTS | LENGTH (IN.) | WIDTH (IN.) | HEIGHT (IN.) | MAX AMP (ALUM-COPP) | HEX KEY (IN.) |
|----------------|------------------------|-------|--------------|-------------|--------------|---------------------|---------------|
| IPL4-3C | 4 - 14 | 3 | 1.63 | 1.24 | 1.36 | 75-95 | 1/8 |
| IPL4-4C | | 4 | 2.06 | 1.24 | 1.36 | 75-95 | 1/8 |
| IPL4-5C | | 5 | 2.48 | 1.24 | 1.36 | 75-95 | 1/8 |
| IPL4-6C | | 6 | 2.90 | 1.24 | 1.36 | 75-95 | 1/8 |
| IPL1/0-3C | 1/0 - 14 | 3 | 2.33 | 1.55 | 1.74 | 135-170 | 3/16 |
| IPL1/0-4C | | 4 | 2.98 | 1.55 | 1.74 | 135-170 | 3/16 |
| IPL3/0-3C | 3/0 - 6 | 3 | 2.71 | 1.60 | 1.83 | 175-225 | 1/4 |
| IPL3/0-4C | | 4 | 3.49 | 1.60 | 1.83 | 175-225 | 1/4 |
| IPL250-3C | 250 - 6 | 3 | 3.01 | 2.01 | 2.29 | 230-290 | 5/16 |
| IPL250-4C | | 4 | 3.88 | 2.01 | 2.29 | 410-527 | 5/16 |
| IPL350-3C | 350 - 10 | 3 | 3.55 | 2.13 | 2.68 | 280-350 | 5/16 |
| IPL500-3C | 500 - 4 | 3 | 4.04 | 2.500 | 2.95 | 350-430 | 5/16 |
| IPL500-4C | | 4 | 5.19 | 2.500 | 2.95 | 631-806 | 5/16 |



POLARIS VISION TAP SPECIFICATIONS



DUAL-SIDE ENTRY

| CATALOG NUMBER | WIRE RANGE (MCM/AWG) | PORTS | LENGTH (IN.) | WIDTH (IN.) | HEIGHT (IN.) | MAX AMP (ALUM-COPP) | HEX KEY (IN.) |
|----------------|----------------------|-------|--------------|-------------|--------------|---------------------|---------------|
| IT-4C | 4 - 14 | 2 | 1.21 | 1.24 | 1.36 | 75-95 | 1/8 |
| IPLD4-3C | | 3 | 1.63 | 1.37 | 1.36 | 75-95 | 1/8 |
| IPLD4-4C | | 4 | 2.06 | 1.37 | 1.36 | 75-95 | 1/8 |
| IPLD4-5C | | 5 | 2.48 | 1.37 | 1.36 | 75-95 | 1/8 |
| IPLD4-6C | | 6 | 2.90 | 1.37 | 1.36 | 75-95 | 1/8 |
| IT-2C | 2 - 14 | 2 | 1.32 | 1.24 | 1.39 | 100-130 | 5/32 |
| IPLD2-3C | | 3 | 1.83 | 1.39 | 1.39 | 100-130 | 5/32 |
| IPLD2-4C | | 4 | 2.34 | 1.39 | 1.39 | 100-130 | 5/32 |
| IPLD2-5C | | 5 | 2.85 | 1.39 | 1.39 | 100-130 | 5/32 |
| IPLD2-6C | | 6 | 3.36 | 1.39 | 1.39 | 100-130 | 5/32 |
| IT-1/0C | 1/0 - 14 | 2 | 1.68 | 1.55 | 1.74 | 135-170 | 3/16 |
| IPLD1/0-3C | | 3 | 2.33 | 1.74 | 1.74 | 135-170 | 3/16 |
| IPLD1/0-4C | | 4 | 2.98 | 1.74 | 1.74 | 135-170 | 3/16 |
| IPLD1/0-5C | | 5 | 3.63 | 1.74 | 1.74 | 135-170 | 3/16 |
| IPLD1/0-6C | | 6 | 4.28 | 1.74 | 1.74 | 135-170 | 3/16 |
| IT-2/0C | 2/0 - 14 | 2 | 1.78 | 1.55 | 1.77 | 150-195 | 3/16 |
| IPLD2/0-3C | | 3 | 2.53 | 1.75 | 1.77 | 150-195 | 3/16 |
| IPLD2/0-4C | | 4 | 3.28 | 1.75 | 1.77 | 150-195 | 3/16 |
| IPLD2/0-5C | | 5 | 4.03 | 1.75 | 1.77 | 150-195 | 3/16 |
| IPLD2/0-6C | | 6 | 4.78 | 1.75 | 1.77 | 150-195 | 3/16 |
| IT-3/0C | 3/0 - 6 | 2 | 1.93 | 1.60 | 1.83 | 175-225 | 1/4 |
| IPLD3/0-3C | | 3 | 2.71 | 1.83 | 1.83 | 175-225 | 1/4 |
| IPLD3/0-4C | | 4 | 3.49 | 1.83 | 1.83 | 175-225 | 1/4 |
| IPLD3/0-6C | | 6 | 5.05 | 1.83 | 1.83 | 175-225 | 1/4 |
| IT-250C | 250 - 6 | 2 | 2.15 | 2.28 | 2.29 | 230-290 | 5/16 |
| IPLD250-3C | | 3 | 3.01 | 2.28 | 2.29 | 230-290 | 5/16 |
| IPLD250-4C | | 4 | 3.88 | 2.28 | 2.29 | 410-527 | 5/16 |
| IPLD250-5C | | 5 | 4.74 | 2.28 | 2.29 | 410-527 | 5/16 |
| IPLD250-6C | | 6 | 5.60 | 2.28 | 2.29 | 615-790 | 5/16 |
| IPLD250-8C | | 8 | 7.32 | 2.28 | 2.29 | 820-1053 | 5/16 |
| IT-350C | 350 - 10 | 2 | 2.50 | 2.41 | 2.68 | 280-350 | 5/16 |
| IPLD350-3C | | 3 | 3.55 | 2.41 | 2.68 | 280-350 | 5/16 |
| IPLD350-4C | | 4 | 4.60 | 2.41 | 2.68 | 514-657 | 5/16 |
| IPLD350-5C | | 5 | 5.65 | 2.41 | 2.68 | 514-657 | 5/16 |
| IPLD350-6C | | 6 | 6.70 | 2.41 | 2.68 | 770-985 | 5/16 |
| IPLD350-8C | | 8 | 8.80 | 2.41 | 2.68 | 1028-1314 | 5/16 |
| IT-500C | 500 - 4 | 2 | 2.90 | 2.83 | 2.95 | 350-430 | 5/16 |
| IPLD500-3C | | 3 | 4.04 | 2.83 | 2.95 | 350-430 | 5/16 |
| IPLD500-4C | | 4 | 5.19 | 2.83 | 2.95 | 631-806 | 5/16 |
| IPLD500-5C | | 5 | 6.33 | 2.83 | 2.95 | 631-806 | 5/16 |
| IPLD500-6C | | 6 | 7.48 | 2.83 | 2.95 | 946-1209 | 5/16 |
| IPLD500-8C | | 8 | 9.77 | 2.83 | 2.95 | 1262-1612 | 5/16 |
| IPLD500-10C | | 10 | 12.06 | 2.83 | 2.95 | 1262-1612 | 5/16 |

DUAL-SIDE ENTRY CON'T

| CATALOG NUMBER | WIRE RANGE (MCM/AWG) | PORTS | LENGTH (IN.) | WIDTH (IN.) | HEIGHT (IN.) | MAX AMP (ALUM-COPP) | HEX KEY (IN.) |
|----------------|----------------------|-------|--------------|-------------|--------------|---------------------|---------------|
| IT-600C | 600 - 6 | 2 | 3.20 | 3.14 | 3.32 | 385-475 | 5/16 |
| IPLD600-3C | | 3 | 4.50 | 3.14 | 3.32 | 385-475 | 5/16 |
| IPLD600-4C | | 4 | 5.80 | 3.14 | 3.32 | 810-1035 | 5/16 |
| IPLD600-5C | | 5 | 7.10 | 3.14 | 3.32 | 810-1035 | 5/16 |
| IPLD600-6C | | 6 | 8.40 | 3.14 | 3.32 | 1215-1554 | 5/16 |
| IPLD600-8C | | 8 | 11.00 | 3.14 | 3.32 | 1620-2070 | 5/16 |
| IT-750C* | 750 - 1/0 | 2 | 3.48 | 3.41 | 3.42 | 385-475 | 3/8 |
| IPLD750-3C* | | 3 | 4.90 | 3.41 | 3.42 | 385-475 | 3/8 |
| IPLD750-4C* | | 4 | 6.33 | 3.41 | 3.42 | 930-1178 | 3/8 |
| IPLD750-6C* | | 6 | 9.18 | 3.41 | 3.42 | 1395-1767 | 3/8 |
| IPLD750-8C* | | 8 | 12.03 | 3.41 | 3.42 | 1860-2356 | 3/8 |

IN-LINE ENTRY

| CATALOG NUMBER | WIRE RANGE (Kcmil/AWG) | PORTS | LENGTH (IN.) | WIDTH (IN.) | HEIGHT (IN.) | MAX AMP (ALUM-COPP) | HEX KEY (IN.) |
|----------------|------------------------|-------|--------------|-------------|--------------|---------------------|---------------|
| ISR-4 | 4 - 14 AWG | 2 | 2.26 | 0.80 | 1.38 | 75-95 | 1/8 |
| ISR-2 | 2 - 14 AWG | 2 | 2.26 | 0.80 | 1.35 | 100 - 130 | 5/32 |
| ISR-1/0 | 1/0 - 14 AWG | 2 | 3.25 | 0.90 | 1.48 | 280-350 | 3/16 |
| ISR-2/0 | 2/0 - 14 AWG | 2 | 3.25 | 0.90 | 1.48 | 150-195 | 3/16 |
| ISR-3/0 | 3/0 - 6 AWG | 2 | 3.50 | 0.95 | 1.75 | 175-225 | 1/4 |
| ISR-250 | 250 MCM - 6 AWG | 2 | 4.00 | 1.19 | 1.90 | 435*535 | 5/16 |
| ISR-350 | 350 MCM - 10 AWG | 2 | 4.47 | 1.32 | 2.20 | 135-170 | 5/16 |
| ISR-500 | 500 MCM - 4 AWG | 2 | 4.62 | 1.62 | 3.00 | 230-290 | 5/16 |
| ISR-600 | 600 MCM - 6 AWG | 2 | 5.83 | 1.75 | 3.30 | 280-350 | 5/16 |
| ISRH-750 | 750 MCM - 1/0 AWG | 2 | 7.25 | 1.75 | 3.50 | 350-430 | 5/16 |

Wire/Cable Class

Use with Class B and C conductors

Dual Rated

Aluminum, Copper

Maximum Voltage

600V

Location

Dry locations only

Operating Temperature Rating

-45°C to 90°C
(-49°F to 194°F)

Temperature Rating

-45°C to 90°C
(-49°F to 194°F)

Material

6061-T6 aluminum alloy Insulated with high dielectric strength plastisol for increased chemical and abrasion protection

WIRE CONNECTOR



* IT, IPLD - 750MCM connectors are rated AL7CU, 75°C
** ISRH-750MCM connector is rated AL9CU, 90°C



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