

# POLARIS®

## BLACK Pre-Insulated Connectors

### THE ORIGINAL IS STILL THE BEST

It's easy to see why the industry's original pre-insulated connector is still the brand most asked for by name. Polaris Black offers dependable performance in any application, including mountable options, connectors with stacked ports for tight spaces and heavy-duty UL-rated connectors for parallel runs. Polaris Black: a pioneer in high-quality, effortless connections for over 30 years.



### THE BLACK DIFFERENCE

#### Withstand the Elements

Durable insulating layer protects from chemicals and abrasion

#### 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 Black 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



#### STACKED



#### MOUNTABLE



### SINGLE-SIDE ENTRY

| CATALOG NUMBER | WIRE RANGE<br>(Kcmil/AWG) | PORTS | LENGTH<br>(IN.) | WIDTH<br>(IN.) | HEIGHT<br>(IN.) | MAX AMP<br>(ALUM-COPP) | HEX KEY<br>(IN.) |
|----------------|---------------------------|-------|-----------------|----------------|-----------------|------------------------|------------------|
| IPL4-3         | 4 - 14                    | 3     | 1.63            | 1.24           | 1.36            | 75-95                  | 1/8              |
| IPL4-4         |                           | 4     | 2.06            | 1.24           | 1.36            | 75-95                  | 1/8              |
| IPL4-5         |                           | 5     | 2.48            | 1.24           | 1.36            | 75-95                  | 1/8              |
| IPL4-6         |                           | 6     | 2.90            | 1.24           | 1.36            | 75-95                  | 1/8              |
| IPL4-8         |                           | 8     | 3.74            | 1.24           | 1.36            | 75-95                  | 1/8              |
| IPL4-10        |                           | 10    | 4.59            | 1.24           | 1.36            | 75-95                  | 1/8              |
| IPL1/0-3       | 1/0 - 14                  | 3     | 2.33            | 1.55           | 1.74            | 135-170                | 3/16             |
| IPL1/0-4       |                           | 4     | 2.98            | 1.55           | 1.74            | 135-170                | 3/16             |
| IPL1/0-5       |                           | 5     | 3.63            | 1.55           | 1.74            | 135-170                | 3/16             |
| IPL1/0-6       |                           | 6     | 4.28            | 1.55           | 1.74            | 135-170                | 3/16             |
| IPL1/0-8       |                           | 8     | 5.58            | 1.55           | 1.74            | 135-170                | 3/16             |
| IPL3/0-3       | 3/0 - 6                   | 3     | 2.71            | 1.60           | 1.83            | 175-225                | 1/4              |
| IPL3/0-4       |                           | 4     | 3.49            | 1.60           | 1.83            | 175-225                | 1/4              |
| IPL3/0-5       |                           | 5     | 4.27            | 1.60           | 1.83            | 175-225                | 1/4              |
| IPL3/0-6       |                           | 6     | 5.05            | 1.60           | 1.83            | 175-225                | 1/4              |
| IPL250-3       | 250 - 6                   | 3     | 3.01            | 2.01           | 2.29            | 230-290                | 5/16             |
| IPL250-4       |                           | 4     | 3.88            | 2.01           | 2.29            | 410-527                | 5/16             |
| IPL250-5       |                           | 5     | 4.74            | 2.01           | 2.29            | 410-527                | 5/16             |
| IPL250-6       |                           | 6     | 5.60            | 2.01           | 2.29            | 615-790                | 5/16             |
| IPL250-8       |                           | 8     | 7.32            | 2.01           | 2.29            | 820-1053               | 5/16             |
| IPL350-3       | 350 - 10                  | 3     | 3.55            | 2.13           | 2.68            | 280-350                | 5/16             |
| IPL350-4       |                           | 4     | 4.60            | 2.13           | 2.68            | 514-657                | 5/16             |
| IPL350-5       |                           | 5     | 5.65            | 2.13           | 2.68            | 514-657                | 5/16             |
| IPL350-6       |                           | 6     | 6.70            | 2.13           | 2.68            | 770-985                | 5/16             |
| IPL350-8       |                           | 8     | 8.80            | 2.13           | 2.68            | 1028-1314              | 5/16             |
| IPL500-3       | 500 - 4                   | 3     | 4.04            | 2.50           | 2.95            | 350-430                | 5/16             |
| IPL500-4       |                           | 4     | 5.19            | 2.50           | 2.95            | 631-806                | 5/16             |
| IPL500-5       |                           | 5     | 6.33            | 2.50           | 2.95            | 631-806                | 5/16             |
| IPL500-6       |                           | 6     | 7.48            | 2.50           | 2.95            | 946-1209               | 5/16             |
| IPL500-8       |                           | 8     | 9.77            | 2.50           | 2.95            | 1262-1612              | 5/16             |
| IPL600-3       | 600 - 6                   | 3     | 4.50            | 2.83           | 3.32            | 385-475                | 5/16             |
| IPL600-4       |                           | 4     | 5.80            | 2.83           | 3.32            | 810-1035               | 5/16             |
| IPL600-6       |                           | 6     | 8.40            | 2.83           | 3.32            | 1215-1554              | 5/16             |
| IPL750-3*      | 750 - 1/0                 | 3     | 4.90            | 2.75           | 3.46            | 385-475                | 3/8              |
| IPL750-4*      |                           | 4     | 6.33            | 2.75           | 3.46            | 930-1178               | 3/8              |

# MOUNTABLE, DUAL-SIDE ENTRY

| CATALOG NUMBER | WIRE RANGE (Kcmil/AWG) | PORTS | LENGTH (IN.) | WIDTH (IN.) | HEIGHT (IN.) | MAX AMP (ALUM-COPP) | HEX KEY (IN.) |
|----------------|------------------------|-------|--------------|-------------|--------------|---------------------|---------------|
| IPLMD3/0-3     | 3/0 - 6                | 3     | 3.95         | 1.83        | 1.95         | 175-225             | 1/4           |
| IPLMD3/0-4     |                        | 4     | 4.73         | 1.83        | 1.95         | 175-225             | 1/4           |
| IPLMD3/0-5     |                        | 5     | 5.51         | 1.83        | 1.95         | 175-225             | 1/4           |
| IPLMD250-3     | 250 - 6                | 3     | 4.45         | 2.28        | 2.32         | 230-290             | 5/16          |
| IPLMD250-4     |                        | 4     | 5.32         | 2.28        | 2.32         | 410-527             | 5/16          |
| IPLMD250-5     |                        | 5     | 6.18         | 2.28        | 2.32         | 410-527             | 5/16          |
| IPLMD250-6     |                        | 6     | 7.04         | 2.28        | 2.32         | 615-790             | 5/16          |
| IPLMD250-8     |                        | 8     | 8.76         | 2.28        | 2.32         | 820-1053            | 5/16          |
| IPLMD250-10    |                        | 10    | 10.49        | 2.28        | 2.32         | 820-1053            | 5/16          |
| IPLMD250-12    |                        | 12    | 12.21        | 2.28        | 2.32         | 820-1053            | 5/16          |
| IPLMD350-3     | 350 - 10               | 3     | 5.08         | 2.41        | 2.71         | 280-350             | 5/16          |
| IPLMD350-4     |                        | 4     | 6.13         | 2.41        | 2.71         | 514-657             | 5/16          |
| IPLMD350-5     |                        | 5     | 7.18         | 2.41        | 2.71         | 514-657             | 5/16          |
| IPLMD350-6     |                        | 6     | 8.23         | 2.41        | 2.71         | 770-985             | 5/16          |
| IPLMD350-8     |                        | 8     | 10.33        | 2.41        | 2.71         | 1028-1314           | 5/16          |
| IPLMD350-10    |                        | 10    | 12.43        | 2.41        | 2.71         | 1028-1314           | 5/16          |
| IPLMD350-12    |                        | 12    | 14.53        | 2.41        | 2.71         | 1028-1314           | 5/16          |
| IPLMD500-3     | 500 - 4                | 3     | 5.46         | 2.83        | 2.98         | 350-430             | 5/16          |
| IPLMD500-4     |                        | 4     | 6.61         | 2.83        | 2.98         | 631-806             | 5/16          |
| IPLMD500-5     |                        | 5     | 7.75         | 2.83        | 2.98         | 631-806             | 5/16          |
| IPLMD500-6     |                        | 6     | 8.90         | 2.83        | 2.98         | 946-1209            | 5/16          |
| IPLMD500-8     |                        | 8     | 11.19        | 2.83        | 2.98         | 1262-1612           | 5/16          |
| IPLMD500-10    |                        | 10    | 13.48        | 2.83        | 2.98         | 1262-1612           | 5/16          |
| IPLMD500-12    |                        | 12    | 15.77        | 2.83        | 2.98         | 1262-1612           | 5/16          |
| IPLMD600-3     | 600 - 6                | 3     | 5.83         | 3.14        | 33.32        | 385-475             | 5/16          |
| IPLMD600-4     |                        | 4     | 7.13         | 3.14        | 33.32        | 810-1035            | 5/16          |
| IPLMD600-5     |                        | 5     | 8.43         | 3.14        | 33.32        | 810-1035            | 5/16          |
| IPLMD600-6     |                        | 6     | 9.73         | 3.14        | 33.32        | 1215-1554           | 5/16          |
| IPLMD600-8     |                        | 8     | 12.33        | 3.14        | 33.32        | 1620-2070           | 5/16          |
| IPLMD600-10    |                        | 10    | 14.93        | 3.14        | 33.32        | 1620-2070           | 5/16          |
| IPLMD600-12    |                        | 12    | 17.53        | 3.14        | 33.32        | 1620-2070           | 5/16          |
| IPLMD750-3*    | 750 - 1/0              | 3     | 6.28         | 3.41        | 3.48         | 385-475             | 3/8           |
| IPLMD750-4*    |                        | 4     | 7.71         | 3.41        | 3.48         | 930-1178            | 3/8           |
| IPLMD750-6*    |                        | 6     | 10.56        | 3.41        | 3.48         | 1395-1767           | 3/8           |
| IPLMD750-8*    |                        | 8     | 13.41        | 3.41        | 3.48         | 1860-2356           | 3/8           |
| IPLMD750-12*   |                        | 12    | 19.11        | 3.41        | 3.48         | 1860-2356           | 3/8           |

## 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



Scan for full installation instructions

