POLARIS®

THE ORIGINAL IS STILL THE BEST

Polaris® Pre-Insulated Connectors set the benchmark for professional quality when splicing or tapping into a primary power conductor. Since introducing the first pre-insulated connector over 35 years ago, Polaris has helped contractors and electricians work faster and safer, saving them time and money. When you need a pre-insulated connector, choose the preferred and trusted brand still asked for by name.

A SOLUTION FOR EVERY APPLICATION

The all-in-one design of Polaris Pre-Insulated Connectors installs more easily without tape or additional tools. For wet or dry locations, for parallel runs of primary power conductors or connecting fine-stranded extra-flexible copper cable, there's a broad range of sizes, port numbers and configurations to match the needs of any professional.

DESIGNED FOR EASY INSTALLATION

The innovative design and labor-saving features of every Polaris Pre-Insulated Connector go beyond just making connections faster. The ergonomic shape and pre-filled oxide inhibitor make installation simple and comfortable. Removable wire port plugs and set screw covers prevent infiltration of dirt or debris. It's easy to see why professionals choose Polaris.

THE POLARIS DIFFERENCE

REMOVABLE PORT PLUGS
Secures entry port closures and
ensures debris prevention

HIGHLY CONDUCTIVE
Aluminum alloy construction
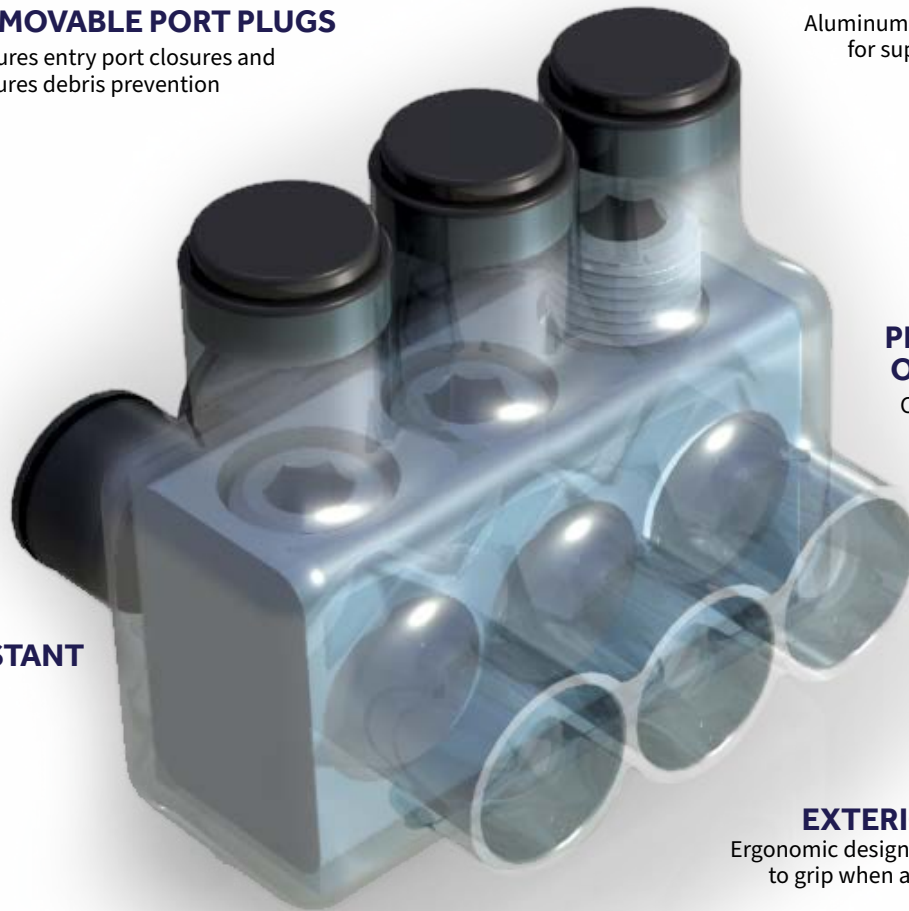for superior conductivity

**PRE-FILLED WITH
OXIDE INHIBITOR**
Corrosion prevention for
low-contact resistance
connections

**ABRASION &
CHEMICAL RESISTANT**
Plastisol insulation for
maximum protection

**SMOOTH
EXTERIOR FINISH**
Ergonomic design is comfortable
to grip when applying torque

PROUDLY MADE IN THE USA

From engineering to manufacturing, Polaris pre-insulated connectors are American-made in Odessa, Florida, since 1985.

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

Removable Port Plugs

Secures entry port closures and ensures debris prevention

Smooth Exterior Finish

Ergonomic design is comfortable to grip when applying torque

Pre-filled with Oxide Inhibitor

Corrosion prevention for low-contact resistance connections

Parallel Rated and UL Listed

Multiple parallel configurations tested for maximum ampacities

See page 18 for a full listing of parallel rated connectors

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

DUAL-SIDE ENTRY, STACKED DOUBLE ROW

CATALOG NUMBER	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (ALUM-COPP)	HEX KEY (IN.)
IPLDS350-4	350 - 10	4	2.50	3.91	3.75	514-657	5/16
IPLDS350-6		6	3.55	3.91	3.75	770-985	5/16
IPLDS350-8		8	4.60	3.91	3.75	1028-1314	5/16
IPLDS350-10		10	5.65	3.91	3.75	1028-1314	5/16
IPLDS350-12		12	6.70	3.91	3.75	1028-1314	5/16
IPLDS500-4	500 - 4	4	2.90	4.71	4.30	631-806	5/16
IPLDS500-6		6	4.01	4.71	4.30	946-1209	5/16
IPLDS500-8		8	5.16	4.71	4.30	1262-1612	5/16
IPLDS500-10		10	6.30	4.71	4.30	1262-1612	5/16
IPLDS500-12		12	7.45	4.71	4.30	1262-1612	5/16
IPLDS500-14		14	8.59	4.71	4.30	1262-1612	5/16
IPLDS500-16		16	9.74	4.71	4.30	1262-1612	5/16
IPLDS600-4	600 - 6	4	3.37	4.71	4.30	810-1035	5/16
IPLDS600-6		6	4.47	4.71	4.30	1215-1554	5/16
IPLDS600-8		8	5.77	4.71	4.30	1262-1612	5/16
IPLDS600-10		10	7.07	4.71	4.30	1262-1612	5/16
IPLDS600-12		12	8.37	4.71	4.30	1262-1612	5/16
IPLDS600-14		14	9.67	4.71	4.30	1262-1612	5/16
IPLDS600-16		16	10.97	4.71	4.30	1262-1612	5/16
IPLDS600-20		20	13.57	4.71	4.30	1262-1612	5/16
IPLDS750-6*	750 - 1/0	6	4.90	4.97	4.96	1395-1767	3/8
IPLDS750-8*		8	6.33	4.97	4.96	1860-2356	3/8
IPLDS750-10*		10	7.75	4.97	4.96	1860-2356	3/8
IPLDS750-12*		12	9.18	4.97	4.96	1860-2356	3/8
IPLDS750-16		16	9.18	4.71	4.3	1860-2356	3/8
IPLDS750-20		20	9.18	4.71	4.3	1860-2356	3/8
IPLDS7502-1/010**	750 - 1/0	2	6.460	4.470	3.39	1860-2356	3/8
	1/0 - 14	10					3/16

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

MOUNTABLE, SINGLE-SIDE ENTRY

CATALOG NUMBER	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (ALUM-COPP)	HEX KEY (IN.)
IPLM4-4	4 - 14	4	3.26	1.24	1.47	75-95	1/8
IPLM1/0-4	1/0 - 14	4	4.19	1.55	1.84	135-170	3/16
IPLM1/0-5		5	4.84	1.55	1.84	135-170	3/16