POLARIS®

PRE-INSULATED CONNECTORS

POWER CONNECTORS

PRODUCT BROCHURE

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

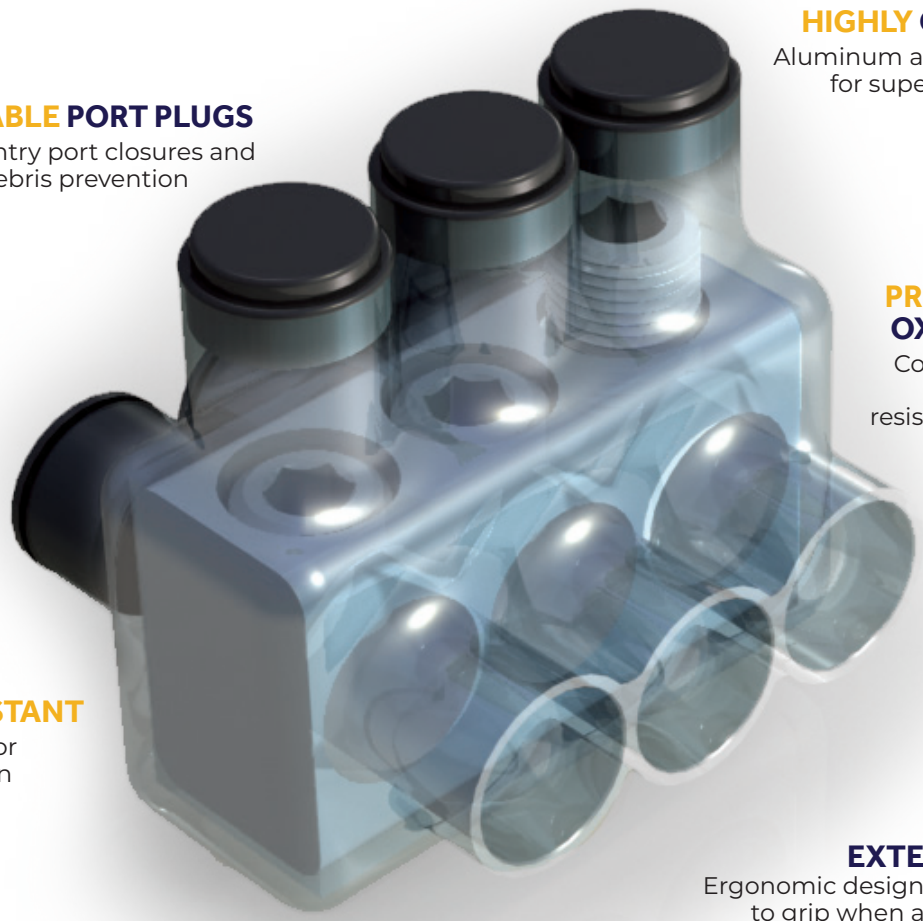
The all-in-one design of Polaris Pre-Insulated Connectors installs more easily without tape or additional tools. For wet or dry locations, for parallel runs of primary power conductors or connecting fine-stranded extra-flexible copper cable, there's a broad range of sizes, port numbers and configurations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

THE ORIGINAL CONNECTION
IS STILL THE BEST

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



HIGHLY CONDUCTIVE
Aluminum alloy construction for superior conductivity

REMOVABLE PORT PLUGS
Secures entry port closures and ensures debris prevention

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.

POLARIS®
PRE-INSULATED CONNECTORS
POWER 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.

BLACK
Pre-Insulated Connectors

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

LSOS
Line Side of Service

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.

SPECIFICATIONS

MULTIPLE CONFIGURATIONS

SINGLE-SIDE ENTRY

DUAL-SIDE ENTRY

IN-LINE ENTRY

STACKED

MOUNTABLE

SINGLE SIDE ENTRY

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	HEX KEY (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

DUAL SIDE ENTRY

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	HEX KEY (IN.)
IT-4	4 - 14	2	1.21	1.24	1.36	75-95	1/8
IPLD4-3		3	1.63	1.37	1.36	75-95	1/8
IPLD4-4		4	2.06	1.37	1.36	75-95	1/8
IPLD4-5		5	2.48	1.37	1.36	75-95	1/8
IPLD4-6		6	2.90	1.37	1.36	75-95	1/8
IT-2	2 - 14	2	1.32	1.24	1.39	100-130	5/32
IPLD2-3		3	1.83	1.39	1.39	100-130	5/32
IPLD2-4		4	2.34	1.39	1.39	100-130	5/32
IPLD2-5		5	2.85	1.39	1.39	100-130	5/32
IPLD2-6		6	3.36	1.39	1.39	100-130	5/32
IT-1/0	1/0 - 14	2	1.68	1.55	1.74	135-170	3/16
IPLD1/0-3		3	2.33	1.74	1.74	135-170	3/16
IPLD1/0-4		4	2.98	1.74	1.74	135-170	3/16
IPLD1/0-5		5	3.63	1.74	1.74	135-170	3/16
IPLD1/0-6		6	4.28	1.74	1.74	135-170	3/16
IT-2/0	2/0 - 14	2	1.78	1.55	1.77	150-195	3/16
IPLD2/0-3		3	2.53	1.75	1.77	150-195	3/16
IPLD2/0-4		4	3.28	1.75	1.77	150-195	3/16
IPLD2/0-5		5	4.03	1.75	1.77	150-195	3/16
IPLD2/0-6		6	4.78	1.75	1.77	150-195	3/16
IT-3/0	3/0 - 6	2	1.93	1.60	1.83	175-225	1/4
IPLD3/0-3		3	2.71	1.83	1.83	175-225	1/4
IPLD3/0-4		4	3.49	1.83	1.83	175-225	1/4
IPLD3/0-5		5	4.27	1.83	1.83	175-225	1/4
IPLD3/0-6		6	5.05	1.83	1.83	175-225	1/4
IPLD3/0-8		8	6.61	1.83	1.83	175-225	1/4
IPLD3/0-10		10	8.17	1.83	1.83	175-225	1/4
IPLD3/0-12		12	9.73	1.83	1.83	175-225	1/4
IT-250	250 - 6	2	2.15	2.28	2.29	230-290	5/16
IPLD250-3		3	3.01	2.28	2.29	230-290	5/16
IPLD250-4		4	3.88	2.28	2.29	410-527	5/16
IPLD250-5		5	4.74	2.28	2.29	410-527	5/16
IPLD250-6		6	5.60	2.28	2.29	615-790	5/16
IPLD250-8		8	7.32	2.28	2.29	820-1053	5/16
IPLD250-10		10	9.05	2.28	2.29	820-1053	5/16
IPLD250-12		12	10.77	2.28	2.29	820-1053	5/16
IPLD250-14		14	12.50	2.28	2.29	820-1053	5/16
IT-350	350 - 10	2	2.50	2.41	2.68	280-350	5/16
IPLD350-3		3	3.55	2.41	2.68	280-350	5/16
IPLD350-4		4	4.60	2.41	2.68	514-657	5/16
IPLD350-5		5	5.65	2.41	2.68	514-657	5/16
IPLD350-6		6	6.70	2.41	2.68	770-985	5/16
IPLD350-8		8	8.80	2.41	2.68	1028-1314	5/16
IPLD350-10		10	10.90	2.41	2.68	1028-1314	5/16
IPLD350-12		12	13.00	2.41	2.68	1028-1314	5/16
IPLD350-14		14	14.97	2.41	2.68	1028-1314	5/16
IPLD350-16		16	16.97	2.41	2.68	1028-1314	5/16
IPLD350-18		18	18.97	2.41	2.68	1028-1314	5/16

DUAL SIDE ENTRY *(Cont'd)*

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	HEX KEY (IN.)
IT-500	500 - 4	2	2.90	2.83	2.95	350-430	5/16
IPLD500-3		3	4.04	2.83	2.95	350-430	5/16
IPLD500-4		4	5.19	2.83	2.95	631-806	5/16
IPLD500-5		5	6.33	2.83	2.95	631-806	5/16
IPLD500-6		6	7.48	2.83	2.95	946-1209	5/16
IPLD500-8		8	9.77	2.83	2.95	1262-1612	5/16
IPLD500-10		10	12.06	2.83	2.95	1262-1612	5/16
IPLD500-12		12	14.35	2.83	2.95	1262-1612	5/16
IPLD500-14		14	16.64	2.83	2.95	1262-1612	5/16
IT-600	600 - 6	2	3.20	3.14	3.30	385-475	5/16
IPLD600-3		3	4.50	3.14	3.30	385-475	5/16
IPLD600-4		4	5.80	3.14	3.30	810-1035	5/16
IPLD600-5		5	7.10	3.14	3.30	810-1035	5/16
IPLD600-6		6	8.40	3.14	3.30	1215-1554	5/16
IPLD600-8		8	11.00	3.14	3.30	1620-2070	5/16
IPLD600-10		10	13.60	3.14	3.30	1620-2070	5/16
IPLD600-12		12	16.20	3.14	3.30	1620-2070	5/16
IPLD600-14		14	18.77	3.14	3.30	1620-2070	5/16
IPLD600-16		16	21.37	3.14	3.30	1620-2070	5/16
IPLD600-18		18	23.97	3.14	3.30	1620-2070	5/16
IT-750*	750 - 1/0	2	3.48	3.41	3.46	385-475	3/8
IPLD750-3*		3	4.90	3.41	3.46	385-475	3/8
IPLD750-4*		4	6.33	3.41	3.46	930-1178	3/8
IPLD750-5*		5	7.75	3.41	3.46	930-1178	3/8
IPLD750-6*		6	9.18	3.41	3.46	1395-1767	3/8
IPLD750-8*		8	12.03	3.41	3.46	1860-2356	3/8
IPLD750-10*		10	14.88	3.41	3.46	1860-2356	3/8
IPLD750-12*		12	17.73	3.41	3.46	1860-2356	3/8
IPLD750-14*		14	20.58	3.41	3.46	1860-2356	3/8

DUAL SIDE ENTRY - *Double Screw*

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	HEX KEY (IN.)
ITH-750**	750 - 1/0	2	3.48	4.46	3.42	435-535	5/16
IPLDH750-3**		3	4.90	4.46	3.42	435-535	5/16
IPLDH750-4**		4	6.33	4.46	3.42	930-1178	5/16
IPLDH750-5**		5	7.75	4.46	3.42	930-1178	5/16
IPLDH750-6**		6	9.18	4.46	3.42	1395-1767	5/16
IPLDH750-8**		8	12.03	4.46	3.42	1860-2356	5/16
IPLDH750-10**		10	14.88	4.46	3.42	1860-2356	5/16
IPLDH750-14**		14	20.63	4.46	3.42	1860-2356	5/16

DUAL SIDE ENTRY - *Stacked Double Row*

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL-CU)	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

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL-CU)	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

SINGLE SIDE ENTRY - *Mountable*

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL-CU)	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

DUAL SIDE ENTRY - *Mountable*

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL-CU)	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
c UL us LISTED
UL 486A-486B

Scan for full installation instructions

* IT, IPL, IPLD, IPLDS, IPLMD - 750MCM connectors are rated AL7CU, 75°C
** ITH, IPLH, IPLDH - 750MCM and IPLDS7502-1/010 connectors are rated AL9CU, 90°C

POLARIS® PRE-INSULATED CONNECTORS POWER CONNECTORS

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.

VISION TAP®
Pre-Insulated Connectors

THE VISION TAP ADVANTAGE

Clear Design
Visually confirm conductor placement for secure connections

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

LSOS
Line Side of Service

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.

SPECIFICATIONS

MULTIPLE CONFIGURATIONS

SINGLE-SIDE ENTRY

DUAL-SIDE ENTRY

IN-LINE ENTRY

SINGLE SIDE ENTRY

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	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

DUAL SIDE ENTRY

PART #	WIRE RANGE (MCM/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	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 *(Cont'd)*

PART #	WIRE RANGE (MCM/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	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

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	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
c UL us
LISTED
UL 486A-486B

Scan for full installation instructions

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

POLARIS®
PRE-INSULATED CONNECTORS
POWER CONNECTORS

THE CHOICE FOR

COPPER CONDUCTORS

Choose Polaris Grey when connecting fine-stranded, flexible or extra-flexible copper conductors. The ergonomic design, exceptional resistance to abrasion or chemicals and durable plastisol insulation make this a dependable, long-lasting connector that is easy to install. Save time and money on every job with the all-in-one design of Polaris pre-insulated connectors.

GREY
Flex-Rated Connectors

THE GREY RATING

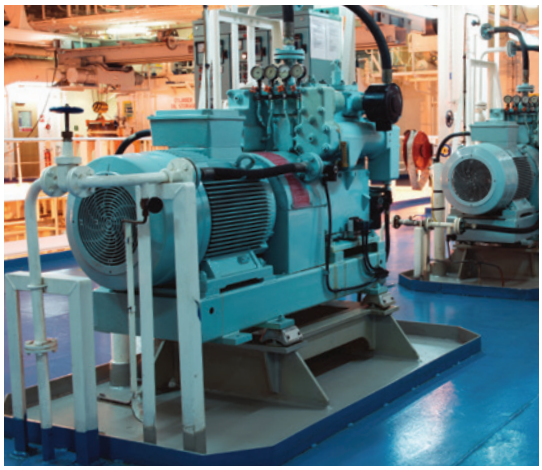
Designed for Copper
Use with fine-stranded, flexible and extra-flexible conductors

Removable Port Plugs
Secures entry port closures and ensures debris prevention

Smooth Exterior Finish
Ergonomic design is comfortable to grip when applying torque

Ferrule
Tin-plated ferrule captures and protects fine conductor strands

FLEXRATED



SPECIFICATIONS

CONFIGURATION

SINGLE-SIDE ENTRY

SINGLE SIDE ENTRY

PART #	WIRE RANGE (AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (CU)	HEX KEY (IN.)
ITG-6	6-14 (Building Wire Class	2	1.21	1.24	1.41	75	1/8
IPLG6-3	6-14 (Flexible Wire Class)	3	1.63	1.24	1.41	75	1/8
IPLG6-4		4	2.06	1.24	1.41	75	1/8
ITG-1	1-10 (Building Wire Class	2	1.68	1.55	1.79	150	3/16
IPLG1-3	2-10 (Flexible Wire Class)	3	2.33	1.55	1.79	150	3/16
IPLG1-4		4	2.98	1.55	1.79	150	3/16
ITG-3/0	3/0-4 (Building Wire Class	2	1.93	1.60	1.85	225	3/16
IPLG3/0-3	2/0-2 (Flexible Wire Class)	3	2.71	1.60	1.85	225	3/16
IPLG3/0-4		4	3.49	1.60	1.85	225	3/16

BUILDING WIRE CLASS B, C, D
FLEXIBLE WIRE CLASS G, H, I, K, M, DLO

Wire/Cable Class
Use with Class B, C, D, G, H, I, K, M and DLO copper conductors

Wire Type
Copper wire only

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
c UL us LISTED
UL 486A-486B

Scan for full installation instructions

POLARIS®
PRE-INSULATED CONNECTORS
POWER CONNECTORS

EXTRA PROTECTION FOR

HARSH CONDITIONS

Polaris Edge is our toughest offering, designed for direct burial applications and engineered to excel in those environments. Maintains a tight seal with trim-to-size wire port plugs and double o-rings on the screw port caps to ensure that no water or dirt infiltration interferes with your connection. When you need reliable performance, choose Polaris, the original innovator.

EDGE

Direct Burial Connectors

DRY, WET OR BURIED

Designed for Direct Burial Applications
Submersible rated and suitable for direct burial

Engineered to Last
Durable EPDM rubber insulation for abrasion and chemical resistance

Removable Port Plugs
Secures entry port closures and ensures debris prevention

Pre-filled with Oxide Inhibitor
Corrosion prevention for low-contact resistance connections

LSOS
Line Side of Service

UL Listed for Line Side of Service Equipment

Polaris Edge 2/0 series and ISPBS350 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.

SPECIFICATIONS

MULTIPLE CONFIGURATIONS

SINGLE-SIDE ENTRY

OFFSET ENTRY

IN-LINE ENTRY

SINGLE SIDE ENTRY

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	HEX KEY (IN.)
ISPB2/0-2	2/0 - 14	2	1.93	2.66	2.11	150-195	3/16
ISPB2/0-3		3	2.79	2.66	2.11	150-195	3/16
ISPB2/0-4		4	3.65	2.66	2.11	150-195	3/16
ISPB2/0-6		6	5.37	2.66	2.11	150-195	3/16
ISPB350-3	350 - 12	3	3.61	4.14	3.06	280-350	5/16
ISPB350-4		4	4.80	4.14	3.06	514-657	5/16
ISPB350-6		6	7.18	4.14	3.06	770-985	5/16
ISPB600-3	600 - 12	3	4.87	5.43	3.80	385-475	5/16
ISPB600-4		4	6.56	5.43	3.80	810-1035	5/16
ISPB600-6		6	9.94	5.43	3.80	1215-1554	5/16

OFFSET ENTRY

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	HEX KEY (IN.)
ISPBO2/0	2/0 - 14	3	2.79	4.18	2.11	150-195	3/16

IN-LINE ENTRY

PART #	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (AL/CU)	HEX KEY (IN.)
ISPBS2/0	2/0 - 14	2	5.05	0.88	2.10	150-195	3/16
ISPBS350	350 - 10	2	8.71	1.69	3.39	280-350	5/16

Wire/Cable Class
Use with Class B and C conductors

Dual Rated
Aluminum, Copper

Location
Direct Burial, submersible locations

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)

UL* and ANSI Standards
ISPB2/0 Series and ISPBS350 in-line splice sizes meet or exceed UL 486D including line side of service and ANSI C119.1.

Material
6061-T6 aluminum alloy

Insulated with high dielectric strength EPDM rubber for increased chemical and abrasion protection

WIRE CONNECTOR
c UL us
LISTED
UL 486D
Sealed Wire Connector System
*ISPB2/0 Series and ISPBS350 Series Only

Scan for full installation instructions

POLARIS®

VISION TAP® & BLACK

Parallel Rated

Polaris Vision Tap® and Black multi-tap connectors have high ampacity ratings, making them the only brand that can handle 4 parallel inputs. They're UL 486A-486B Listed for code compliance up to the maximum ampacity of copper and aluminum cables. For parallel runs done right, trust in Polaris.

WIRE CONNECTOR
c UL us
LISTED
UL 486A-486B

WIRE RANGE (MCM/AWG)	IPL SERIES	IPLD SERIES	IPLMD SERIES	IPLDS SERIES	CU CONDUCTOR MAX AMPS	AL CONDUCTOR MAX AMPS
250–6	IPL250-4	IPLD250-4	IPLMD250-4	IPLDS250-4	527	410
	IPL250-4C	IPLD250-4C	–	–	527	410
	IPL250-5	IPLD250-5	IPLMD250-5	–	527	410
		IPLD250-5C	–	–	527	410
	IPL250-6	IPLD250-6	IPLMD250-6	–	790	615
	–	IPLD250-6C	–	–	790	615
	IPL250-8	IPLD250-8	IPLMD250-8	–	1053	820
	–	IPLD250-8C	–	–	1053	820
	–	IPLD250-10	IPLMD250-10	–	1053	820
	–	IPLD250-12	IPLMD250-12	–	1053	820
	–	IPLD250-14	–	–	1053	820
350–6	IPL350-4	IPLD350-4	IPLMD350-4	IPLDS350-4	657	514
	–	IPLD350-4C	–	–	657	514
	IPL350-5	IPLD350-5	IPLMD350-5	–	657	514
	–	IPLD350-5C	–	–	657	514
	IPL350-6	IPLD350-6	IPLMD350-6	IPLDS350-6	985	770
	–	IPLD350-6C	–	–	985	770
	IPL350-8	IPLD350-8	IPLMD350-8	IPLDS350-8	1314	1028
	–	IPLD350-8C	–	–	1314	1028
	–	IPLD350-10	IPLMD350-10	IPLDS350-10	1314	1028
	–	IPLD350-12	IPLMD350-12	IPLDS350-12	1314	1028
500–4	IPL500-4	IPLD500-4	IPLMD500-4	IPLDS500-4	806	631
	IPL500-4C	IPLD500-4C	–	–	806	631
	IPL500-5	IPLD500-5	IPLMD500-5	–	806	631
	–	IPLD500-5C	–	–	806	631
	IPL500-6	IPLD500-6	IPLMD500-6	IPLDS500-6	1209	946
	–	IPLD500-6C	–	–	1209	946
	IPL500-8	IPLD500-8	IPLMD500-8	IPLDS500-8	1612	1262
	–	IPLD500-8C	–	–	1612	1262
	–	IPLD500-10	IPLMD500-10	IPLDS500-10	1612	1262
	–	IPLD500-12	IPLMD500-12	IPLDS500-12	1612	1262
	–	IPLD500-14	–	–	1612	1262
600–6	IPL600-4	IPLD600-4	IPLMD600-4	IPLDS600-4	1035	810
	–	IPLD600-4C	–	–	1035	810
	–	IPLD600-5	IPLMD600-5	–	1035	810
	–	IPLD600-5C	–	–	1035	810
	IPL600-6	IPLD600-6	IPLMD600-6	IPLDS600-6	1554	1215
	–	IPLD600-6C	–	–	1554	1215
	–	IPLD600-8	IPLMD600-8	IPLDS600-8	2070	1620
	–	IPLD600-10	IPLMD600-10	IPLDS600-10	2070	1620
	–	IPLD600-12	IPLMD600-12	IPLDS600-12	2070	1620
	–	–	–	IPLDS600-14	–	–
	–	–	–	IPLDS600-16	–	–
	–	–	–	IPLDS600-20	–	–
750–1/0	–	IPLDH750-4	–	–	1178	930
	–	IPLDH750-5	–	–	1178	930
	–	IPLDH750–6	–	–	1767	1395
	–	IPLDH750-8	–	–	2356	1860
	–	IPLDH750-10	–	–	2356	1860
	–	IPLDS7502-1/010	–	–	2356	1860

ACCESSORIES

PART #	DESCRIPTION	CONNECTOR SIZE
SITG1	Grey Replacement Sleeve	1
SITG3/0	Grey Replacement Sleeve	3/0
SITG6	Grey Replacement Sleeve	6
SP4	Set-Screw Covers	4
SP1/0	Set-Screw Covers	1/0
SP2/0S	Edge Set-Screw Covers	2/0
SP3/0	Set-Screw Covers	3/0
SP250	Set-Screw Covers	250
SP350	Set-Screw Covers	350
SP350-ISPB	Edge Set-Screw Covers	350
SP500	Set-Screw Covers	500
SP600	Set-Screw Covers	600
SP600S	Edge Set-Screw Covers	600
SP750	Set-Screw Covers	750
CP2/0S	Cable Port Plugs	2/0
CP3/0	Cable Port Plugs	3/0
CP250	Cable Port Plugs	250
CP350	Cable Port Plugs	350
CP350-ISPB	Edge Cable Port Plugs	350
CP500	Cable Port Plugs	500
CP600	Cable Port Plugs	600
CP600-ISPB	Edge Cable Port Plugs	600
CP750	Cable Port Plugs	750

THE ORIGINAL CONNECTION

Scan for more information

PRE-INSULATED CONNECTORS

PROUDLY MADE IN THE USA

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