

### 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

#### 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 (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (ALUM-COPP)	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

# POLARIS BLACK SPECIFICATIONS

## DUAL-SIDE ENTRY

CATALOG NUMBER	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (ALUM-COPP)	HEX KEY (IN.)
IT-4	4 - 14	2	1.21	1.24	1.36	75-95	1/8
ITD-4		2	1.21	1.37	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
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, CON'T

CATALOG NUMBER	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (ALUM-COPP)	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
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

CATALOG NUMBER	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (ALUM-COPP)	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

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-1/0	1/0 - 14	2	3.23	0.96	1.74	135-170	3/16
ISR-250	250 - 6	2	3.95	1.21	2.29	230-290	5/16
ISR-350	350 - 10	2	4.47	1.33	2.68	280-350	5/16
ISR-500	500 - 4	2	5.37	1.46	2.95	350-430	5/16
ISR-600	600 - 6	2	6.10	1.77	3.32	385-475	5/16
ISRH-750**	750-1/0	2	7.26	2.83	3.31	435-535	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

# 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

\* 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

