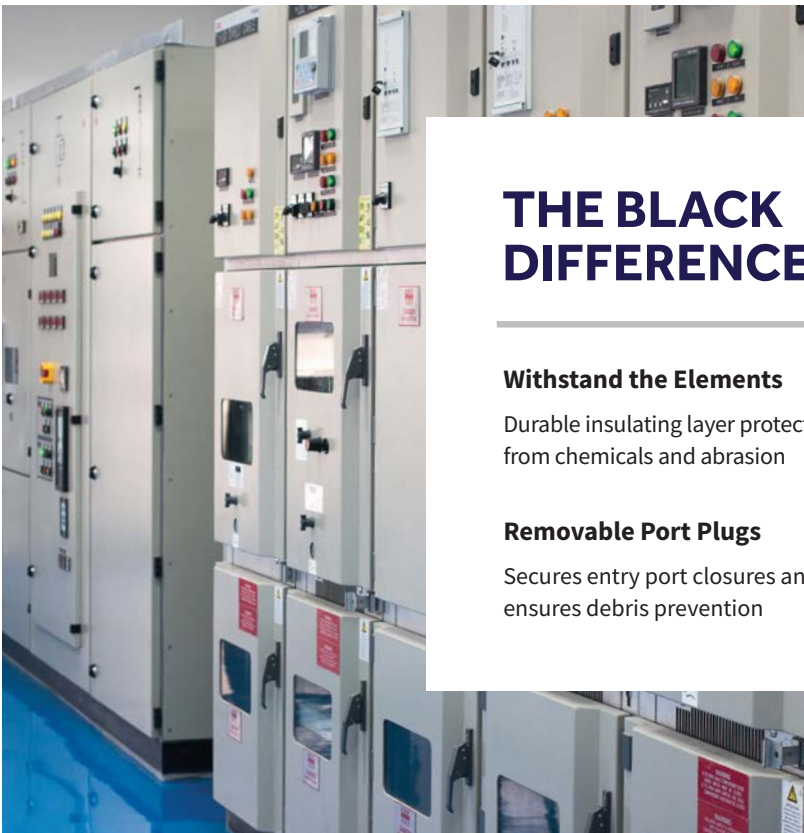


### THE ORIGINAL IS STILL THE BEST

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

### MULTIPLE CONFIGURATIONS

SINGLE-SIDE  
ENTRY



DUAL-SIDE  
ENTRY



OFFSET  
ENTRY



IN-LINE  
ENTRY



STACKED



MOUNTABLE



# POLARIS BLACK SPECIFICATIONS

## Wire/Cable Class

Use with Class B and C conductors

## Maximum Voltage

600V

## Operating Temperature Rating

-45°C to 90°C (-49°F to 194°F)

## Material

6061-T6 aluminum alloy

WIRE CONNECTOR



## Dual Rated

Aluminum, Copper

## Location

Dry locations only

## Temperature Rating

-45°C to 90°C (-49°F to 194°F)

Insulated with high dielectric strength plastisol for increased chemical and abrasion protection

## SINGLE-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
IPL4-3		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
IT-2	2 - 14	2	1.32	1.24	1.39	100-130	5/32
IT-1/0	1/0 - 14	2	1.68	1.55	1.74	135-170	3/16
IPL1/0-3		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
IT-2/0	2/0 - 14	2	1.78	1.55	1.77	150-195	3/16
IT-3/0	3/0 - 6	2	1.93	1.60	1.83	175-225	1/4
IPL3/0-3		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

CATALOG NUMBER	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (ALUM-COPP)	HEX KEY (IN.)
ITD-4	4 - 14	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
ITD-2	2 - 14	2	1.32	1.39	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
ITD-1/0	1/0 - 14	2	1.68	1.74	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
ITD-2/0	2/0 - 14	2	1.78	1.75	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
ITD-3/0	3/0 - 6	2	1.93	1.83	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

## DUAL-SIDE ENTRY CONT.

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	3.32	385-475	5/16
IPLD600-3		3	4.50	3.14	3.32	385-475	5/16
IPLD600-4		4	5.80	3.14	3.32	810-1035	5/16
IPLD600-5		5	7.10	3.14	3.32	810-1035	5/16
IPLD600-6		6	8.40	3.14	3.32	1215-1554	5/16
IPLD600-8		8	11.00	3.14	3.32	1620-2070	5/16
IPLD600-10		10	13.60	3.14	3.32	1620-2070	5/16
IPLD600-12		12	16.20	3.14	3.32	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	4.47	3.31	435-535	5/16
IPLDH750-3**		3	4.90	4.47	3.31	435-535	5/16
IPLDH750-4**		4	6.33	4.47	3.31	930-1178	5/16
IPLDH750-5**		5	7.75	4.47	3.31	930-1178	5/16
IPLDH750-6**		6	9.18	4.47	3.31	1395-1767	5/16
IPLDH750-8**		8	12.03	4.47	3.31	1860-2356	5/16
IPLDH750-10**		10	14.88	4.47	3.31	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	4.70	4.32	631-806	5/16
IPLDS500-6		6	4.04	4.70	4.32	946-1209	5/16
IPLDS500-8		8	5.19	4.70	4.32	1262-1612	5/16
IPLDS500-10		10	6.33	4.70	4.32	1262-1612	5/16
IPLDS500-12		12	7.48	4.70	4.32	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
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

## OFFSET ENTRY

CATALOG NUMBER	WIRE RANGE (Kcmil/AWG)	PORTS	LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	MAX AMP (ALUM-COPP)	HEX KEY (IN.)
ITO-4	4 - 14	2	1.21	1.37	1.36	75-95	1/8
ITO-1/0	1/0 - 14	2	1.68	1.74	1.74	135-170	3/16
ITO-3/0	3/0 - 6	2	1.93	1.83	1.83	175-225	1/4

## 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

\* IT, IPL, IPLD, IPLDS, IPLMD - 750MCM connectors are rated AL7CU, 75°C

\*\* ITH, IPLH, IPLDH - 750MCM and IPLDS7502-1/010 connectors are rated AL90CU, 90°C

Scan for full  
installation  
instructions

