

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

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



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

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.

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



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
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
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
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
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
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
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
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