

POLARISTM

The Original is Still the Best.



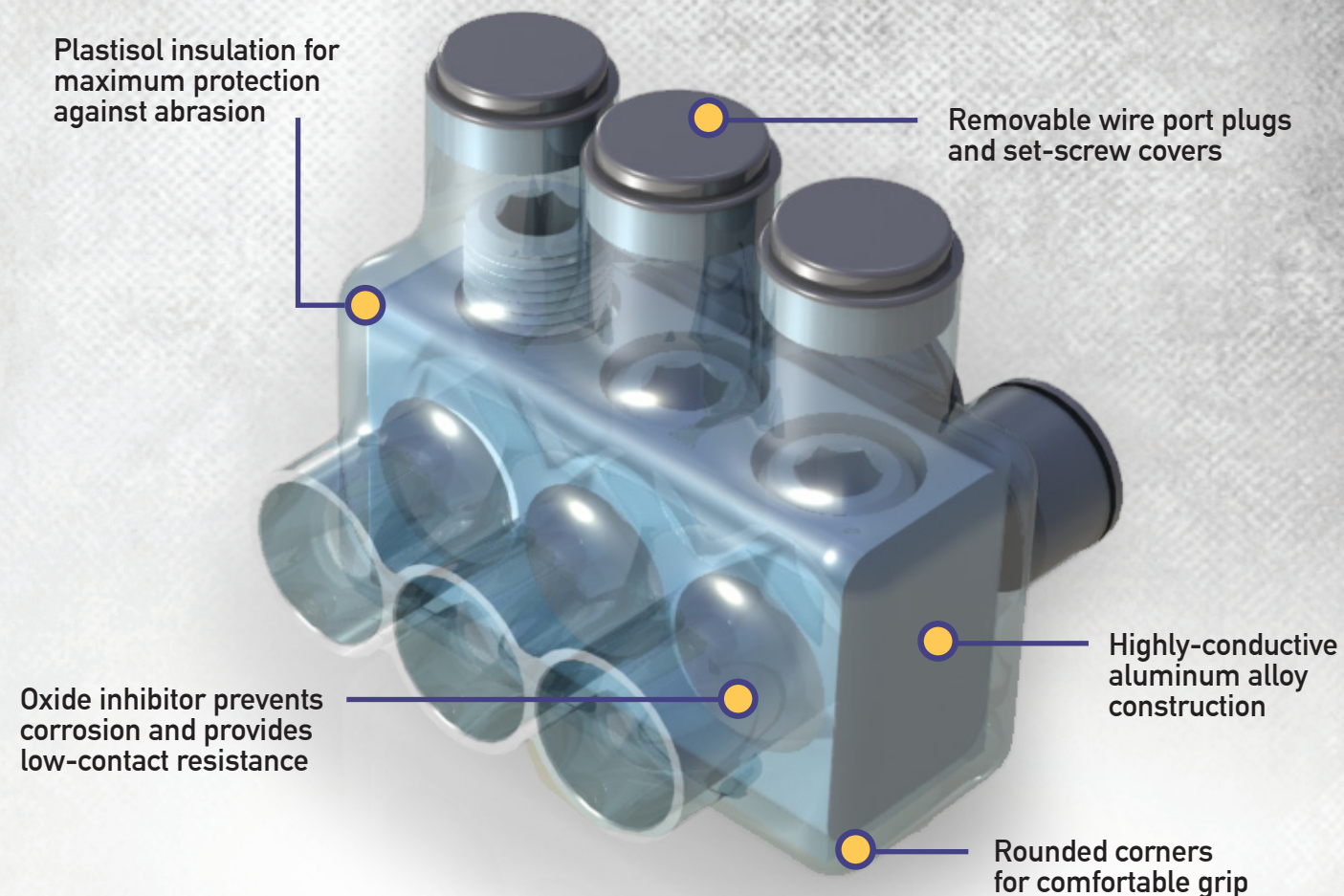
The Original is Still the Best.

Setting the benchmark for insulated multi-tap connectors, the Polaris™ name has signified innovation, quality and reliability since the introduction of our first connector over 30 years ago. Ever since, Polaris has helped contractors and electricians get on and off the job quickly and safely while also saving them time and money. After all these years, Polaris is still the preferred and trusted brand asked for by name.



A SOLUTION FOR EVERY APPLICATION

Whether you're working with primary power conductors, or fine-stranded, extra-flexible copper cable, Polaris connectors provide a quick and easy solution for splice and tap applications in wet or dry locations. Available in numerous configurations, across a wide array of wire gauges and wire ports, there is a Polaris connector to satisfy every project need.



DESIGNED FOR EASY INSTALLATION

Traditional split bolts and other splice and tap connectors can be difficult and time-consuming to install and service. Polaris pre-insulated electrical connectors eliminate the need for extra tools and insulating tape, with only a hex key and torque wrench needed for installation. The Polaris smooth exterior finish and ergonomic design provide a secure, comfortable grip while applying maximum torque.

POLARIS VISION TAP

Introducing the next evolution of the Polaris family. Polaris Vision Tap transparent connectors allow a clear view of conductor placement, the lowest resistance and the most secure connection.

Designed for use with copper or aluminum Class B or C building code class conductors in dry locations, Vision Tap is dual rated, parallel rated and equipment rated. Usable on both line and load sides of an installation, with its comfortable ergonomic design, Vision Tap is the most versatile multi-tap connector on the market.



FEATURES + BENEFITS

- Clear design allows for optimal conductor placement and a more secure connection
- Smooth exterior finish and rounded corners provide a more comfortable grip for maximum torque
- Removable plugs ensure secure entry port closure while preventing debris from entering connector
- Pre-filled with oxide inhibitor to prevent corrosion and provide a low-contact resistance connection
- Multiple UL Listed parallel configurations tested at maximum ampacities for parallel runs

WIRE CONNECTOR



UL 486A-486B



SINGLE-SIDE ENTRY



DUAL-SIDE ENTRY



OFF-SET ENTRY



IN-LINE ENTRY

POLARIS BLACK

As the industry’s original pre-insulated connector, Polaris Black marked the beginning of a new age, providing the fastest, safest, most economical connection possible. Designed and UL Listed for dry locations, Polaris introduced the standard for all others to follow.

Designed for use with copper or aluminum Class B or C building code class conductors, Polaris Black is dual rated, parallel rated and equipment rated, while being usable on line and load sides of an installation. For over 30 years, Polaris Black has been the best choice in the industry.



WIRE CONNECTOR



UL 486A-486B

FEATURES + BENEFITS

- Black insulation for exceptional UV protection
- Smooth exterior finish and rounded corners provide a more comfortable grip for maximum torque
- Removable plugs ensure secure entry port closure while preventing debris from entering connector
- Pre-filled with oxide inhibitor to prevent corrosion and provide a low-contact resistance connection
- Multiple UL Listed parallel configurations tested at maximum ampacities for parallel runs



SINGLE-SIDE ENTRY



DUAL-SIDE ENTRY



OFF-SET ENTRY



IN-LINE ENTRY



STACKED



MOUNTABLE

POLARIS GREY

For splice and tap connections of virtually any type of copper conductor, there’s Polaris Grey. Specifically designed for use with fine stranded, flexible and extra flexible copper wires, these connectors are ideal for welding cables, motor leads, and power supply cables.

Along with providing exceptional abrasion and chemical resistance, Polaris Grey also offers a comfortable design that makes reusable installation safe, easy and practical. Rated for dry location applications of Class B, C, D, K, M and I copper cable stranding classifications only.



FEATURES + BENEFITS

- Designed for use with fine-stranded, flexible and extra-flexible conductors
- Grey insulation for exceptional UV protection
- Rounded corners and smooth edges provide comfortable grip
- Removable plugs ensure secure entry port closure while preventing debris from entering connector
- Pre-filled with oxide inhibitor to prevent corrosion and provide a low-contact resistance connection

WIRE CONNECTOR



SINGLE-SIDE ENTRY

POLARIS EDGE

When conditions call for extra protection in wet, dry or submersible locations, count on Polaris EDGE. Perfect for temporary submersion and direct burial applications up to six feet deep. EDGE utilizes EPDM rubber for exceptional abrasion and chemical resistance.

Super-secure sealing is ensured by trim-to-size wire port plugs and double o-rings on the screw port caps. The versatile design allows for many sizes of Class B and C copper or aluminum conductors in a wide array of configurations.



FEATURES + BENEFITS

- Ideal for temporary submersion and direct burial applications up to 6’ deep
- All-in-one design allows for multiple wire ranges
- Grey insulation for exceptional UV protection
- Removable plugs ensure secure entry port closure
- Pre-filled with oxide inhibitor to prevent corrosion and provide a low-contact resistance connection

WIRE CONNECTOR



SINGLE-SIDE ENTRY



OFF-SET ENTRY



IN-LINE ENTRY

* Parallel rated. See page 15.

Visit www.nsiindustries.com for information on connector torque values, wire strip lengths, and installation instructions.

DUAL-SIDE ENTRY

* Parallel rated. See page 15.

DUAL-SIDE ENTRY

DOUBLE ROW, DUAL-SIDE ENTRY

STACKED DOUBLE ROW, DUAL-SIDE ENTRY

* Parallel rated. See page 15.

POLARIS BLACK

MOUNTABLE, SINGLE-SIDE ENTRY

Catalog Number	Wire Range (MCM/AWG)	Wire Sizes (MCM/AWG)														Ports	Length (In.)	Width (In.)	Height (In.)	Max Torque (In./Lbs.)	Hex Key (In.)							
		750	600	500	400	350	300	250	4/0	3/0	2/0	1/0	0	1	2							3	4	6	8	10	12	14
IPLM4-4	4-14																●	●	●	●	●	●	4	3.180	1.240	1.390	45	1/8
IPLM4-10																		●	●	●	●	●	●	10	5.710	1.240	1.390	45
IPLM1/0-4	1/0-14											●	●	●	●	●	●	●	●	●	●	●	4	4.110	1.550	1.820	180	3/16
IPLM1/0-5													●	●	●	●	●	●	●	●	●	●	5	4.760	1.550	1.820	180	3/16

MOUNTABLE, DUAL-SIDE ENTRY

Catalog Number	Wire Range (MCM/AWG)	Wire Sizes (MCM/AWG)														Ports	Length (In.)	Width (In.)	Height (In.)	Max Torque (In./Lbs.)	Hex Key (In.)							
		750	600	500	400	350	300	250	4/0	3/0	2/0	1/0	0	1	2							3	4	6	8	10	12	14
IPLMD3/0-3	3/0-6									●	●	●	●	●	●	●	●						3	3.870	1.830	1.910	250	1/4
IPLMD3/0-4										●	●	●	●	●	●	●	●	●					4	4.650	1.830	1.910	250	1/4
IPLMD3/0-5										●	●	●	●	●	●	●	●	●					5	5.430	1.830	1.910	250	1/4
IPLMD3/0-6										●	●	●	●	●	●	●	●	●					6	6.210	1.830	1.910	250	1/4
IPLMD250-3	250-6							●	●	●	●	●	●	●	●	●	●					3	4.420	2.280	2.370	360	5/16	
IPLMD250-4 *								●	●	●	●	●	●	●	●	●	●					4	5.280	2.280	2.370	360	5/16	
IPLMD250-5								●	●	●	●	●	●	●	●	●	●	●					5	6.140	2.280	2.370	360	5/16
IPLMD250-6 *								●	●	●	●	●	●	●	●	●	●	●					6	7.010	2.280	2.370	360	5/16
IPLMD250-8 *								●	●	●	●	●	●	●	●	●	●	●					8	8.730	2.280	2.370	360	5/16
IPLMD250-10								●	●	●	●	●	●	●	●	●	●	●					10	10.400	2.280	2.370	360	5/16
IPLMD250-12								●	●	●	●	●	●	●	●	●	●	●					12	12.130	2.280	2.370	360	5/16
IPLMD350-3	350-6					●	●	●	●	●	●	●	●	●	●	●	●					3	5.120	2.410	2.770	400	5/16	
IPLMD350-4 *						●	●	●	●	●	●	●	●	●	●	●	●					4	6.170	2.410	2.770	400	5/16	
IPLMD350-5						●	●	●	●	●	●	●	●	●	●	●	●	●					5	7.220	2.410	2.770	400	5/16
IPLMD350-6 *						●	●	●	●	●	●	●	●	●	●	●	●	●					6	8.270	2.410	2.770	400	5/16
IPLMD350-8 *						●	●	●	●	●	●	●	●	●	●	●	●	●					8	10.370	2.410	2.770	400	5/16
IPLMD350-10						●	●	●	●	●	●	●	●	●	●	●	●	●					10	12.470	2.410	2.770	400	5/16
IPLMD350-12						●	●	●	●	●	●	●	●	●	●	●	●	●					12	14.570	2.410	2.770	400	5/16
IPLMD500-3	500-4			●	●	●	●	●	●	●	●	●	●	●	●	●	●					3	5.510	2.810	3.030	450	5/16	
IPLMD500-4 *				●	●	●	●	●	●	●	●	●	●	●	●	●	●					4	6.650	2.810	3.030	450	5/16	
IPLMD500-5				●	●	●	●	●	●	●	●	●	●	●	●	●	●					5	7.800	2.810	3.030	450	5/16	
IPLMD500-6 *				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					6	8.940	2.810	3.030	450	5/16
IPLMD500-8 *				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					8	11.230	2.810	3.030	450	5/16
IPLMD500-10				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					10	13.520	2.810	3.030	450	5/16
IPLMD500-12				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					12	15.440	2.810	3.030	550	5/16
IPLMD600-3	600-6		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					3	5.880	2.960	3.150	550	5/16
IPLMD600-4 *			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					4	7.180	2.960	3.150	550	5/16
IPLMD600-5			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					5	8.480	2.960	3.150	550	5/16
IPLMD600-6 *			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					6	9.780	2.960	3.150	550	5/16
IPLMD600-8 *			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					8	12.380	2.960	3.150	550	5/16
IPLMD600-10			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					10	14.980	2.960	3.150	550	5/16
IPLMD600-12			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					12	17.200	2.960	3.150	550	5/16
IPLMD750-3	750-250	●	●	●	●	●	●	●														3	6.320	3.410	3.540	550	5/16	
IPLMD750-4		●	●	●	●	●	●	●														4	7.750	3.410	3.540	550	5/16	
IPLMD750-6		●	●	●	●	●	●	●														6	10.600	3.410	3.540	550	5/16	
IPLMD750-8		●	●	●	●	●	●	●														8	13.450	3.410	3.540	550	5/16	
IPLMD750-12		●	●	●	●	●	●	●														12	18.780	3.410	3.540	550	5/16	

* Parallel rated. See page 15.

PARALLEL RATED

Another industry-first, Polaris Vision Tap and Polaris Black multi-tap connectors are parallel rated, providing safety and NEC compliance when installing parallel runs. These UL Listed 486A-486B connectors are code-compliant and UL Listed maximum ampacity for copper and aluminum.

Available in two, three, and four parallels in five different wire ranges.

Wire Range (MCM/AWG)	IPL Series	IPLD Series	IPLMD Series	IPLMDH Series	IPLDS Series	PL Series (Uninsulated)	Copper Conductor Max Amps	Aluminum Conductor Max Amps
250-6	IPL250-4	IPLD250-4	IPLMD250-4	—	IPLDS250-4	—	527 A	410 A
	IPL250-4C	IPLD250-4C	—	—	—	—	527 A	410 A
	IPL250-6	IPLD250-6	IPLMD250-6	—	—	PL250-6	790 A	615 A
	—	IPLD250-6C	—	—	—	—	790 A	615 A
	IPL250-8	IPLD250-8	IPLMD250-8	—	—	PL250-8	1053 A	820 A
350-6	IPL350-4	IPLD350-4	IPLMD350-4	—	IPLDS350-4	—	657 A	514 A
	—	IPLD350-4C	—	—	—	—	657 A	514 A
	IPL350-6	IPLD350-6	IPLMD350-6	—	IPLDS350-6	—	985 A	770 A
	—	IPLD350-6C	—	—	—	—	985 A	770 A
	IPL350-8	IPLD350-8	IPLMD350-8	—	IPLDS350-8	—	1314 A	1028 A
500-4	—	IPLD350-8C	—	—	—	—	1314 A	1028 A
	IPL500-4	IPLD500-4	IPLMD500-4	—	IPLDS500-4	—	806 A	631 A
	—	IPLD500-4C	—	—	—	—	806 A	631 A
	IPL500-6	IPLD500-6	IPLMD500-6	—	IPLDS500-6	—	1209 A	946 A
	—	IPLD500-6C	—	—	—	—	1209 A	946 A
600-6	IPL500-8	IPLD500-8	IPLMD500-8	—	IPLDS500-8	—	1612 A	1262 A
	—	IPLD500-8C	—	—	—	—	1612 A	1262 A
	IPL600-4	IPLD600-4	IPLMD600-4	—	—	—	1035 A	810 A
	—	IPLD600-4C	—	—	—	—	1035 A	810 A
	IPL600-6	IPLD600-6	IPLMD600-6	—	—	—	1554 A	1215 A
750-1/0	—	IPLD600-8	IPLMD600-8	—	—	—	2070 A	1620 A
	—	—	—	IPLMDH750-4	—	—	1178 A	930 A
	—	—	—	—	—	—	1767 A	1395 A
	—	—	—	IPLMDH750-8	—	—	2356 A	1860 A

POLARIS GREY

WIRE TYPE
Use with Class B, C, D, K, M and I conductors
Copper wire only

LOCATION
Dry locations only



MATERIAL
Insulated with high dielectric strength plastisol for increased chemical and abrasion protection
6061-T6 aluminum alloy

TEMPERATURE
Cold temperature rated to -45°C

SPECIFICATIONS
AL9CU, 90°C, 600V max



SINGLE-SIDE ENTRY, CLASS B, C, D

Catalog Number	Wire Range (MCM/AWG)	Wire Sizes (MCM/AWG)														Ports	Length (In.)	Width (In.)	Height (In.)	Max Torque (In./Lbs.)	Hex Key (In.)								
		750	600	500	400	350	300	250	4/0	3/0	2/0	1/0	0	1	2							3	4	6	8	10	12	14	
ITG-6	6–14																	●	●	●	●	●	2	1.130	1.240	1.370	45	1/8	
IPLG6-3																			●	●	●	●	●	3	1.550	1.240	1.370	45	1/8
IPLG6-4																			●	●	●	●	●	4	1.980	1.240	1.370	45	1/8
ITG-1	1–10													●	●	●	●	●	●	●			2	1.600	1.550	1.750	150	3/16	
IPLG1-3														●	●	●	●	●	●	●			3	1.550	1.240	1.370	150	3/16	
IPLG1-4														●	●	●	●	●	●	●			4	1.980	1.240	1.370	150	3/16	
ITG-3/0	3/0–4									●	●	●	●	●	●	●	●						2	1.850	1.600	1.810	250	3/16	
IPLG3/0-3										●	●	●	●	●	●	●	●						3	2.250	1.600	1.750	250	3/16	
IPLG3/0-4										●	●	●	●	●	●	●	●						4	2.900	1.600	1.750	250	3/16	

SINGLE-SIDED ENTRY, CLASS K, M, I

Catalog Number	Wire Range (MCM/AWG)	Wire Sizes (MCM/AWG)																				Ports	Length (In.)	Width (In.)	Height (In.)	Max Torque (In./Lbs.)	Hex Key (In.)		
		750	600	500	400	350	300	250	4/0	3/0	2/0	1/0	0	1	2	3	4	6	8	10	12							14	
ITG-6	6–14																	●	●	●	●	●	2	1.130	1.240	1.370	45	1/8	
IPLG6-3																			●	●	●	●	●	3	1.550	1.240	1.370	45	1/8
IPLG6-4																			●	●	●	●	●	4	1.980	1.240	1.370	45	1/8
ITG-1	2–10													●	●	●	●	●	●			2	1.600	1.550	1.750	150	3/16		
IPLG1-3														●	●	●	●	●	●			3	1.550	1.240	1.370	150	3/16		
IPLG1-4														●	●	●	●	●	●			4	1.980	1.240	1.370	150	3/16		
ITG-3/0	2/0–2									●	●	●	●	●								2	1.850	1.600	1.810	250	3/16		
IPLG3/0-3										●	●	●	●	●								3	2.250	1.600	1.750	250	3/16		
IPLG3/0-4										●	●	●	●	●								4	2.900	1.600	1.750	250	3/16		

POLARIS EDGE

WIRE TYPE
Use with Class B and C conductor stranding
Dual-rated for use with copper and/or aluminum conductors

LOCATION
Wet and dry locations



MATERIAL
Insulated with high dielectric strength EPDM rubber for increased chemical and abrasion protection
6061-T6 aluminum alloy

TEMPERATURE
Cold temperature rated to -45°C

SPECIFICATIONS
AL9CU, 90°C, 600V max



SINGLE-SIDE ENTRY

Catalog Number	Wire Range (MCM/AWG)	Wire Sizes (MCM/AWG)														Ports	Length (In.)	Width (In.)	Height (In.)	Max Torque (In./Lbs.)	Hex Key (In.)						
		750	600	500	400	350	300	250	4/0	3/0	2/0	1/0	0	1	2							3	4	6	8	10	12
ISPB2/0-2	2/0-14										●	●	●	●	●	●	●	●	●	●	●	2	1.930	2.650	2.100	120	3/16
ISPB2/0-3											●	●	●	●	●	●	●	●	●	●	●	3	2.790	2.650	2.100	120	3/16
ISPB2/0-4											●	●	●	●	●	●	●	●	●	●	●	4	3.650	2.650	2.100	120	3/16
ISPB2/0-6											●	●	●	●	●	●	●	●	●	●	●	6	5.370	2.650	2.100	120	3/16
ISPB350-3	350-12					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		3	3.610	4.190	3.060	360	5/16
ISPB350-4						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		4	4.800	4.190	3.060	360	5/16
ISPB350-6						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		6	7.180	4.190	3.060	360	5/16
ISPB600-3	600-12		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		3	4.870	5.460	3.130	500	5/16
ISPB600-4			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		4	6.560	5.460	3.130	500	5/16
ISPB600-6			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		6	9.940	5.460	3.130	500	5/16

OFF-SET ENTRY

Catalog Number	Wire Range (MCM/AWG)	Wire Sizes (MCM/AWG)																Ports	Length (In.)	Width (In.)	Height (In.)	Max Torque (In./Lbs.)	Hex Key (In.)				
		750	600	500	400	350	300	250	4/0	3/0	2/0	1/0	0	1	2	3	4							6	8	10	12
ISPB02/0	2/0–14									●	●	●	●	●	●	●	●	●	●	●	●	3	2.790	4.180	2.100	120	3/16

IN-LINE ENTRY

Catalog Number	Wire Range (MCM/AWG)	Wire Sizes (MCM/AWG)														Ports	Length (In.)	Width (In.)	Height (In.)	Max Torque (In./Lbs.)	Hex Key (In.)						
		750	600	500	400	350	300	250	4/0	3/0	2/0	1/0	0	1	2							3	4	6	8	10	12
ISPBS2/0	2/0-14									●	●	●	●	●	●	●	●	●	●	●	●	2	5.050	0.880	2.100	120	3/16
ISPBS350	350-12					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		2	8.830	1.250	3.380	360	3/16

POLARIS UNINSULATED

WIRE TYPE
Use with Class B and C conductors

Dual-rated for use with copper and/or aluminum conductors.

LOCATION
Dry locations only



MATERIAL
6061-T6 aluminum alloy

SPECIFICATIONS
AL9CU, 90°C, 600V max



SINGLE-SIDE ENTRY

Catalog Number	Wire Range (MCM/AWG)	Wire Sizes (MCM/AWG)																		Ports	Length	Width	Height	Max Torque	Hex Key		
		750	600	500	400	350	300	250	4/0	3/0	2/0	1/0	0	1	2	3	4	6	8							10	12
PL1/0-6	1/0–14											●	●	●	●	●	●	●	●	●	●	6	3.95	0.63	0.88	180	3/16
PL1/0-8													●	●	●	●	●	●	●	●	●	8	5.25	0.63	0.88	180	3/16
PL3/0-6	3/0–6								●	●	●	●	●	●	●	●	●					6	4.72	0.69	0.94	250	1/4
PL3/0-8									●	●	●	●	●	●	●	●	●	●				8	6.28	0.69	0.94	250	1/4
PL250-6*	250–6						●	●	●	●	●	●	●	●	●	●	●					6	5.27	0.88	1.13	360	5/16
PL250-8*							●	●	●	●	●	●	●	●	●	●	●					8	6.99	0.88	1.13	360	5/16
PL500-10	500–4			●	●	●	●	●	●	●	●	●	●	●	●	●						10	11.73	1.13	1.63	450	5/16

* Parallel rated. See page 15.

POLARIS ACCESSORIES

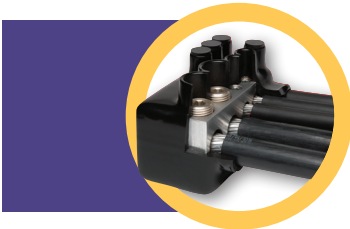


Catalog Number	UPC Code	Description	Wire Size (MCM/AWG)	Standard Carton Quantity
SP-4	74908	Set-screw covers	4	15
SP1/0	78907	Set-screw covers	1/0	15
SP3/0	78910	Set-screw covers	3/0	15
SP250	78909	Set-screw covers	250	12
SP350	78911	Set-screw covers	350	10
SP500	78912	Set-screw covers	500	8
SP600	78913	Set-screw covers	600	6
SP750	78914	Set-screw covers	750	6
CP3/0	95215	Cable port plugs	3/0	15
CP250	92216	Cable port plugs	250	10
CP350	92217	Cable port plugs	350	8
CP500	95218	Cable port plugs	500	6
CP600	78942	Cable port plugs	600	4
CP750	95219	Cable port plugs	750	4

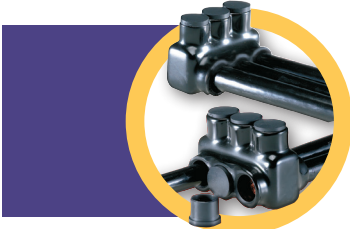
POLARIS CUSTOM

When your job calls for an application that is out of the ordinary, Polaris Vision Tap, Black and Grey connectors can be customized to meet specific application needs. With almost unlimited combinations, Polaris engineers can develop and deliver a UL Listed custom connector to meet your needs—on time, every time.

Development starts with a thorough understanding of your specific needs through our four-step process. Please call our customer service team at 800-321-5847 for assistance in creating your own custom connector.



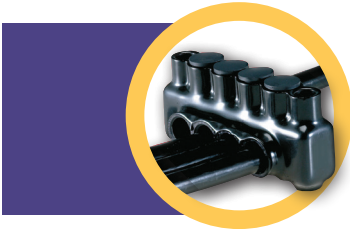
1. WHAT ARE THE INSULATION NEEDS?
Our extra-strength 6061-T6 aluminum connectors are offered both with and without plastisol insulation.



2. WHAT ARE THE WIRE SPECIFICATIONS?
In-depth information regarding the primary and secondary conductors is needed to accurately create your custom connector, including number and orientation of entry ports as well as specific wire sizes. Please note that only wire sizes that are currently supported through existing Polaris families are available for custom projects.



3. ARE THERE SPACE RESTRICTIONS?
We can stack wire entry holes when needed to create more narrow connectors, which are often needed for the smaller wireways or panels.



4. DOES THE CONNECTOR NEED TO BE MOUNTABLE?
Mounting holes can be provided within the insulated sleeve if needed.

