POLARIS®
MECHANICAL CONNECTORS
POWER CONNECTORS

BUILT FOR STRENGTH,
RELIABILITY AND EFFICIENCY

Polaris Mechanical Connectors are the easy choice for professionals who need reliable, durable performance. Our comprehensive line of mechanical connectors bring the high standards of Polaris to several new categories, making cost-effective connections that are quick to install and built to last.



COPPER CONNECTORS

A SOLUTION FOR YOUR APPLICATION

Polaris Mechanical Connectors are a simple solution to your connectivity needs, forming secure and robust connections between multiple wires. These highly-conductive, versatile, dual-rated connectors are available in a variety of configurations including aluminum and copper lugs, IPCS, neutral assemblies, terminal blocks, split bolts and distribution blocks. Polaris connectors are built from superior materials and designed to excel in demanding installations.

DESIGNED FOR EASY INSTALLATION

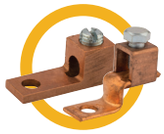
Mechanical connectors are a cost-effective and extremely durable choice for a huge range of installations, forming secure joins for multiple wires in a single junction. Each style of connector, from our dual-rated lugs to our reliable distribution blocks, was designed with installers in mind. Work faster without compromising quality when you install Polaris Mechanical.

MULTIPLE CONFIGURATIONS

ALUMINUM CONNECTORS



COPPER CONNECTORS



SPLIT BOLT CONNECTORS



INSUBLATION PIERCING



NEUTRAL ASSEMBLIES



NON-METALLIC CONNECTORS



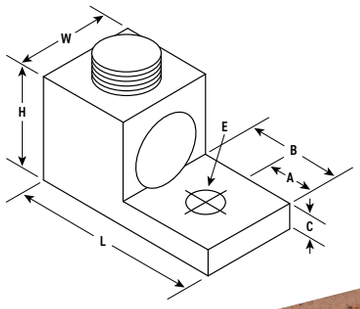
SINGLE EXTRUDED/TUBULAR LUGS

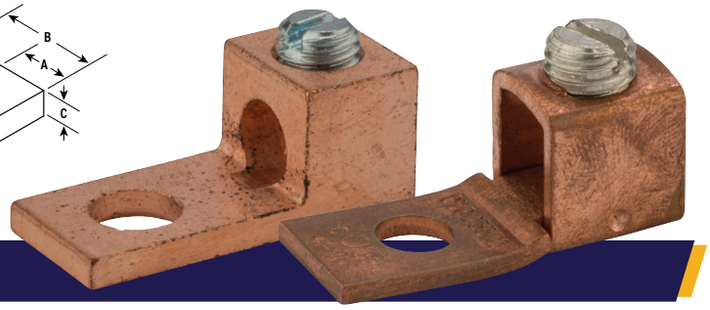
FEATURES

- Solid copper connector
- Steel screw
- For use with copper wire only

SPECIFICATIONS

- UL486A/B Listed for Wire Connector
- Temperature Rating: 90 °C. 9CU
- Voltage: 35 kV max





TC SERIES

PART #	WIRE RANGE	MAX TORQUE VALUE (IN./ LBS.)	HEX WRENCH SIZE	MTG. BOLT SIZE (IN)	LENGTH (IN) (L)	HEIGHT (IN) (H)	WIDTH (IN) (W)	MTG. HOLE DIA. (IN) (E)	TANG LENGTH (IN) (B)	END OF CONN. TO CENTER HOLE (IN) (A)	TANG THICKNESS (IN) (C)	STD PKG QTY
6TC	6-14 AWG	25	Slotted	3/16	1.020	0.400	0.375	0.193	0.650	0.187	0.115	100
4TC	4-14 AWG	25	Slotted	1/4	1.075	0.440	0.450	0.265	0.747	0.275	0.100	100
2TC	2-14 AWG	30	Slotted	1/4	1.125	0.484	0.458	0.265	0.650	0.325	0.125	100
0TC	1/0-14 AWG	40	Slotted	1/4	1.277	0.680	0.548	0.265	0.677	0.337	0.125	50
4/0TC	4/0-2 AWG	200	5/16	3/8	1.950	0.950	0.812	0.390	1.075	0.406	0.218	25
6TC-1	6-14 AWG	25	Slotted	3/16	0.995	0.778	0.345	0.203	0.620	0.226	0.610	100
4TC-1	4-14 AWG	45	Slotted	1/4	1.255	1.255	0.453	0.258	0.755	0.500	0.750	100

SPECIFICATIONS

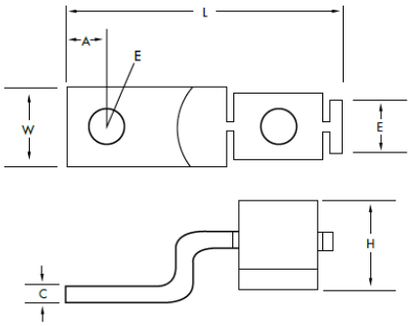
SOLDERLESS SINGLE/DOUBLE LUGS

FEATURES

- Made of 99.98% pure electrolytic copper
- Steel-plated screws to prevent rusting
- Connectors for 1/0 and smaller use slotted screws
- Larger sizes have hex head screws
- For use with Copper wire only

SPECIFICATIONS

- UL 486A/B Listed for Wire Connector
- Temperature Rating: 90 °C. 9CU
- Voltage: 35 kV max





DE SERIES

PART #	WIRE RANGE	MTG. BOLT SIZE (IN)	AMP RATING	MAX TORQUE VALUE (IN./LBS.)	HEX WRENCH SIZE	LENGTH (IN) (L)	WIDTH (IN) (W)	HEIGHT (IN) (H)	TANG LENGTH (IN) (A)	TANG THICKNESS (IN) (C)	MTG. HOLE DIAMETER (IN) (E)	STD PKG QTY
DE703	10-14 AWG	1/4	25	60	Slotted	1.025	0.315	0.465	0.195	0.069	0.160	100
DE704	6-14 AWG	3/16	35	90	Slotted	1.190	0.380	0.500	0.230	0.070	0.250	100
DE705	2-8 AWG	5/16	70	125	Slotted	1.550	0.500	0.650	0.250	0.090	0.340	100
DE711	4-14 AWG	1/4	70	90	Slotted	1.310	0.500	0.560	0.250	0.080	0.280	50
DE706	1/0-8 AWG	1/4	125	150	Slotted	1.970	0.630	0.880	0.500	0.130	0.280	25
DE713	3/0-4 AWG	3/8	175	200	3/8	2.190	0.750	1.030	0.440	0.130	0.500	18
DE707	4/0-2 AWG	1/2	225	200	7/32	2.380	1.000	1.170	0.470	0.130	0.560	15
D899	4/0-2 AWG	5/8	450	200	5/8	3.200	1.502	1.720	0.915	0.190	0.405	6
DE710	350 MCM-1/0 AWG	3/4	300	250	3/4	3.025	0.998	2.310	0.450	0.186	0.403	10
DE708	500 MCM-4/0 AWG	15/16	400	300	15/16	4.320	1.497	2.200	0.840	0.190	0.403	2
DE709	1000-600 MCM	3/8	650	400	3/8	4.360	1.998	2.870	1.080	0.254	0.530	2

TERMINAL LUGS

FEATURES

- Made from high conductivity copper alloy
- Range taking
- Re-usable
- For use with Copper wire only

SPECIFICATIONS

- UL 486A/B Listed for Wire Connector. 9CU
- Voltage: 35kV max



TL SERIES

PART #	MTG. BOLT SIZE (IN)	WIRE RANGE	MTG. HOLE DIA. (IN)	MAX TORQUE VALUE (IN./LBS.)	HEX WRENCH SIZE	LENGTH (IN) (L)	WIDTH (IN) (W)	HEIGHT (IN) (H)	TANG LENGTH (IN) (A)	TANG LENGTH (IN) (B)	TANG THICKNESS (IN) (C)	STD PKG QTY
TL8	3/16	8 STR-14 SOL	0.200	60	Slotted	0.815	0.390	0.400	0.150	0.467	0.080	100
TL4	1/4	4 STR - 14 SOL	0.278	90	Slotted	1.125	0.537	0.553	0.248	0.617	0.096	100
TL1/0*	5/16	1/0 STR - 4 SOL	0.315	150	1/4	1.584	0.723	0.792	0.370	0.866	0.090	50
TL1/0-L2*	5/16	1/0 STR - 4 SOL	0.360	150	1/4	2.670	0.775	0.895	0.388	1.908	0.183	40v
TL250	3/8	250 MCM - 6 STR	0.380	250	1/4	1.950	0.927	1.049	0.416	1.088	0.119	25
TL250-L2*	3/8	250 MCM - 1/0 STR	0.403	250	1/4	2.996	1.103	1.025	0.424	1.890	0.246	15
TL250-2L2*	1/2	300 MCM - 4/0 STR	0.560	250	1/4	4.473	1.994	1.102	0.713	3.375	0.283	10
TL250-3L2*	1/2	300 MCM - 4/0 STR	0.560	250	5/8	4.472	3.058	1.838	0.600	3.255	0.362	4
TL250-4L2*	1/2	300 MCM - 4/0 STR	0.560	250	5/8	4.440	4.089	1.783	0.650	3.175	0.394	3
TL500	1/2	500 MCM - 4/0 STR	0.525	300	3/8	2.986	1.375	1.456	0.750	1.640	0.303	10
TL500-L2*	1/2	500 - 300 MCM	0.562	300	3/4	4.500	1.375	2.154	0.625	3.000	0.344	6
TL500-2L2*	1/2	500 - 300 MCM	0.562	300	3/4	4.500	2.500	2.055	0.625	3.000	0.375	6
TL500-2L4*	1/2	500 - 300 MCM	0.562	300	3/4	4.500	3.000	2.055	0.625	3.000	0.375	4
TL500-3L2*	1/2	500 - 300 MCM	0.562	300	3/4	4.500	2.500	2.150	0.625	3.000	0.375	3
TL500-3L4*	1/2	500 - 300 MCM	0.562	300	3/4	4.500	3.625	2.150	0.625	3.000	0.375	3
TL500-4L2*	1/2	500 - 300 MCM	0.562	300	3/4	4.500	4.187	2.150	0.625	3.000	0.375	2
TL500-4L4*	1/2	500 - 300 MCM	0.562	300	3/4	4.500	4.187	2.150	0.625	3.000	0.375	2
TL1000	1/2	1000 - 500 MCM	0.557	400	3/8	3.992	1.985	1.945	0.742	2.245	0.356	4
TL1000-L2*	1/2	1000 - 750 MCM	0.562	400	7/8	4.875	1.875	2.887	0.625	3.000	0.500	4
TL1000-2L4*	1/2	1000 - 750 MCM	0.570	400	7/8	5.045	3.630	2.900	0.620	3.270	0.517	2
TL1000-3L4*	1/2	1000 - 750 MCM	0.570	400	7/8	6.045	3.630	2.900	0.620	3.270	0.517	2

*Made from high strength cast bronze

SERVICE POST CONNECTORS

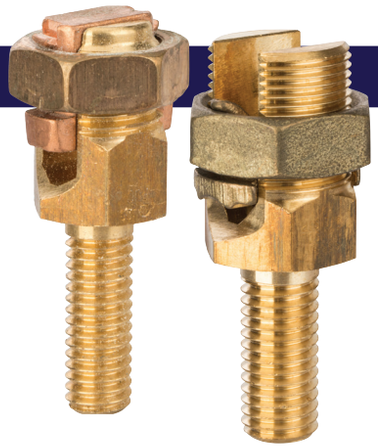
FEATURES

- Made from high copper content hard-drawn rod; used for connecting one or two conductors
- Lay-in feature makes them excellent for continuous
- loop grounding and bonding
- Used to ground to bar or plate
- Suitable for direct burial in earth or concrete

SPECIFICATIONS

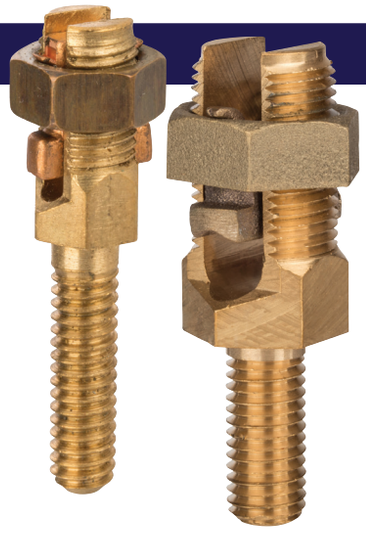
- UL486A/B Listed Wire Connector
- UL467 Listed Grounding & Bonding

SPM SERIES | ONE-WIRE TYPE



PART #	CONDUCTOR RANGE	STUD SIZE	HEX NUT	STD PKG QTY
SPM-1L	12 SOL - 8 STR	0.250 X 20-1	0.375 X 24	25
SPM-2L	8 SOL - 7 STR	0.250 x 20-1	0.437 x 20	25
SPM-3L	10 SOL - 4 STR	0.312 x 18-1	0.500 x 20	25
SPM-4L	6 SOL - 3 STR	0.375 x 16 – 1.125	0.562 x 18	12
SPM-5L	4 STR - 2 STR	0.500 x 13 - 1.250	0.625 x 18	12
SPM-6L	6 SOL - 1/0 STR	0.500 x 13 – 1.250	0.750 x 16	12
SPM-7L	1 SOL - 2/0 STR	0.500 x 13 – 1.250	0.875 x 14	6
SPM-9L	3/0 SOL - 4/0 STR	0.625 x 11 – 1.500	1.125 x 11	3

SPM SERIES | TWO-WIRE TYPE



PART #	CONDUCTOR RANGE	STUD SIZE	HEX NUT	STD PKG QTY
SPM-21L	12 SOL - 8 STR	0.250 X 20 – 1	0.375 X 24	25
SPM-22L	10 SOL - 7 STR	0.250 x 20 – 1	0.437 x 20	25
SPM-23L	8 SOL - 5 STR	0.312 x 18 – 1	0.500 x 20	25
SPM-24L	6 SOL - 3 STR	0.375 x 16 – 1.125	0.562 x 18	12
SPM-25L	10 SOL - 2 STR	0.500 x 13 - 1.250	0.625 x 18	12
SPM-26L	4 SOL - 1/0 STR	0.500 x 13 – 1.250	0.750 x 16	12
SPM-27L	2 SOL - 2 STR	0.500 x 13 – 1.250	0.875 x 14	6
SPM-29L	1 SOL - 4/0 STR	0.625 x 11 – 1.500	1.125 x 11	3

TWO-BOLT BRONZE TAP CONNECTORS

FEATURES

- Made from high strength bronze castings – assurance against stress corrosion and season cracking
- All parts are tin plated (TCP-series only)
- High conductivity spacer bar (TCP-series only)
- Designed for heavy-duty service connections
- The cap swivels to permit quick and easy installation of conductors
- Retaining rubber washer eliminates loose parts
- Silicon bronze hardware
- Flat back permits use as bus tap when used with longer bolts

TC SERIES | COPPER TO COPPER



PART #	MAIN WIRE RANGE		TAP WIRE RANGE		STD PKG QTY
	MIN	MAX	MIN	MAX	
TC1/0	1/0 STR	2 SOL	1/0 STR	6 SOL	10
TC2/0	2/0 STR	1 SOL	2/0 STR	6 SOL	10
TC4/0	4/0 STR	2/0 STR	4/0 STR	6 SOL	6
TC350	350 MCM	4/0 STR	350 MCM	4 SOL	5
TC500	500 MCM	350 MCM	500 MCM	4 SOL	5
TC800	800 MCM	600 MCM	800 MCM	2 SOL	3
TC1000	1000 MCM	750 MCM	1000 MCM	2 SOL	2

TCP SERIES | DUAL RATED FOR ALUMINUM, COPPER & STEEL



PART #	MAIN WIRE RANGE		TAP WIRE RANGE		STD PKG QTY
	MIN	MAX	MIN	MAX	
TCP1/0	1/0 STR	2 SOL	1/0 STR	6 SOL	10
TCP2/0	2/0 STR	1 SOL	2/0 STR	6 SOL	10
TCP4/0	4/0 STR	2/0 STR	4/0 STR	6 SOL	6
TCP350	350 MCM	4/0 STR	350 MCM	4 SOL	5
TCP500	500 MCM	350 MCM	500 MCM	4 SOL	5
TCP800	800 MCM	600 MCM	800 MCM	2 SOL	3
TCP1000	1000 MCM	750 MCM	1000 MCM	2 SOL	2

SERVICE ENTRANCE CONNECTOR



FEATURES

- Body and screw are of high strength, corrosion resistant copper alloy

SPECIFICATIONS

- Temperature Rating: 90 °C
- Voltage: 600V max

EC SERIES

PART #	WIRE RANGE	MAX TORQUE VALUE (IN./LBS.)	HEX WRENCH SIZE	LENGTH (IN) (L)	WIDTH (IN) (W)	HEIGHT (IN) (H)	STD PKG QTY
EC12	12 str	35	1/4	0.312	0.312	0.684	100
EC6	6 str	45	5/16	0.378	0.378	0.828	100
EC4	4 str	45	3/8	0.436	0.436	0.906	100
EC2	2 str	50	7/8	0.564	0.564	1.146	100

RUGGED. RELIABLE. CONFIDENCE

Scan for more information

MECHANICAL CONNECTORS

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