

MECHANICAL CONNECTOR SELECTION GUIDE

BURNDY® offers a variety of mechanical connectors. There are connectors within the mechanical portfolio to satisfy all tapping, terminating, and splicing applications. They are available in copper and aluminum, and cover a wide wire range. Most connectors are listed to the UL Wire Connector standard UL486A-486B and many are rated for use with fine strand conductor to meet growing market needs.

MECHANICAL CONNECTORS OFFER SEVERAL BENEFITS, INCLUDING:

- Range Taking capability
- No special installation tools or training - installation is completed with the use of a standard torque wrench
- Can accommodate multiple conductors
- Conductors of aluminum and copper can be used in the same connector (separate ports)
- Pre-Insulated taps and splices prevent the need for taping saving valuable labor and cost



This guide is intended to aid in the selection of a mechanical connector family, within the portfolio, for a specific application.

It is broken into 3 application categories - tapping, terminating, and splicing, and contains a listing for copper connectors and aluminum connectors within each category. Each page identifies the basic characteristics of the connectors within the family (conductor material, conductor stranding, # of conductors, and compliance ratings). Once a family is selected a specific connector can be selected from the BURNDY® Master Catalog (print or digital) or from the BURNDY® Website.



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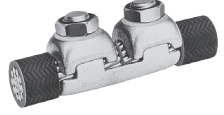
Customer Service 1-800-346-4175
Technical Services 1-800-451-4956
www.burndy.com



MECHANICAL CONNECTOR SELECTION GUIDE

TAPPING - Copper Connector Families

SPLICING - Copper Connector Families



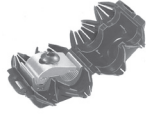





 <p>CONDUCTOR FAMILY: VERSITAP™</p> <p>CONNECTOR TYPE: QPX</p> <p>CONDUCTOR MATERIAL: - COPPER</p> <p>CONDUCTOR STRANDING: CODE (CLASS B&C) -</p> <p># OF CONDUCTORS ACCOMMODATED: 2</p> <p>APPLICATION: UL LISTED CSA CERTIFIED -</p>	 <p>CONDUCTOR FAMILY: VERSITAP™</p> <p>CONNECTOR TYPE: QPX-Y</p> <p>CONDUCTOR MATERIAL: ALUMINUM COPPER</p> <p>CONDUCTOR STRANDING: CODE (CLASS B&C) -</p> <p># OF CONDUCTORS ACCOMMODATED: 2</p> <p>APPLICATION: - -</p>	 <p>CONDUCTOR FAMILY: INSULATING PIERCING</p> <p>CONNECTOR TYPE: BIPC</p> <p>CONDUCTOR MATERIAL: ALUMINUM COPPER</p> <p>CONDUCTOR STRANDING: CODE (CLASS B&C) -</p> <p># OF CONDUCTORS ACCOMMODATED: 2</p> <p>APPLICATION: UL LISTED CSA CERTIFIED -</p>	 <p>CONDUCTOR FAMILY: UNIVERSAL VERSITAP™</p> <p>CONNECTOR TYPE: QPX-Y</p> <p>CONDUCTOR MATERIAL: ALUMINUM COPPER</p> <p>CONDUCTOR STRANDING: CODE (CLASS B&C) -</p> <p># OF CONDUCTORS ACCOMMODATED: 2</p> <p>APPLICATION: - -</p>	 <p>CONDUCTOR FAMILY: INSULATING PIERCING</p> <p>CONNECTOR TYPE: BIPC</p> <p>CONDUCTOR MATERIAL: ALUMINUM COPPER</p> <p>CONDUCTOR STRANDING: CODE (CLASS B&C) -</p> <p># OF CONDUCTORS ACCOMMODATED: 2</p> <p>APPLICATION: UL LISTED CSA CERTIFIED -</p>	 <p>CONDUCTOR FAMILY: QIKLINK™</p> <p>CONNECTOR TYPE: QR</p> <p>CONDUCTOR MATERIAL: - COPPER</p> <p>CONDUCTOR STRANDING: CODE (CLASS B&C) -</p> <p># OF CONDUCTORS ACCOMMODATED: 2</p> <p>APPLICATION: UL LISTED -</p>
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WIRE SIZES	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1250	1500	1750	2000
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<p>WIRE SIZE: 6-1000</p>	<p>WIRE SIZE: 6-1000</p>	<p>WIRE SIZE: 8-350</p>	<p>WIRE SIZE: 6-1000</p>	<p>WIRE SIZE: 8-350</p>	<p>WIRE SIZE: 6-800</p>
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MECHANICAL CONNECTOR SELECTION GUIDE

TAPPING - Aluminum Connector Families









							
CONDUCTOR FAMILY: SERVIT®	CONDUCTOR FAMILY: POLYTAP™	CONDUCTOR FAMILY: RISER TAP	CONDUCTOR FAMILY: UNITAP™	CONDUCTOR FAMILY: UNITAP™	CONDUCTOR FAMILY: UNITAP™	CONDUCTOR FAMILY: UNITAP™	CONDUCTOR FAMILY: VERSIPOLE™
CONNECTOR TYPE: KSA	CONNECTOR TYPE: KPU-AC	CONNECTOR TYPE: UCU-AC	CONNECTOR TYPE: BIBS-DB	CONNECTOR TYPE: BIT, BIBS, BIBD	CONNECTOR TYPE: 1PL, 1PLD	CONNECTOR TYPE: BIT-FX, BIBS-FX, BIBD-FX	CONNECTOR TYPE: BDB
CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER
CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) FLEX	CONDUCTOR STRANDING: CODE (CLASS B&C) FLEX
# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2-6	# OF CONDUCTORS ACCOMMODATED: 2-12	# OF CONDUCTORS ACCOMMODATED: 2-12	# OF CONDUCTORS ACCOMMODATED: 2-12	# OF CONDUCTORS ACCOMMODATED: 2-24
APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED -	APPLICATION: UL LISTED -	APPLICATION: UL LISTED CSA CERTIFIED DIRECT BURIAL SUBMSERIBLE	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -

WIRE SIZES	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1250	1500	1750	2000
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WIRE SIZE: 10-500	WIRE SIZE: 14-750	WIRE SIZE: 2-4/0	WIRE SIZE: 12-500	WIRE SIZE: 14-750	WIRE SIZE: 14-750	WIRE SIZE: 14-750	WIRE SIZE: 14-1000
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MECHANICAL CONNECTOR SELECTION GUIDE

TERMINATING - Copper Connector Families







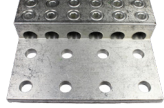

							
CONDUCTOR FAMILY: SCRULUG™	CONDUCTOR FAMILY: SCRULUG™	CONDUCTOR FAMILY: SCRULUG™	CONDUCTOR FAMILY: VERSILUG™	CONDUCTOR FAMILY: QIKLUG™	CONDUCTOR FAMILY: QIKLUG™	CONDUCTOR FAMILY: QIKLUG™	CONDUCTOR FAMILY: QIKLUG™
CONNECTOR TYPE: KPA	CONNECTOR TYPE: KLU	CONNECTOR TYPE: KA	CONNECTOR TYPE: EA	CONNECTOR TYPE: QA, QQA, Q2A, Q3A	CONNECTOR TYPE: QB	CONNECTOR TYPE: Q2B	CONNECTOR TYPE: QDA
CONDUCTOR MATERIAL: - COPPER	CONDUCTOR MATERIAL: - COPPER	CONDUCTOR MATERIAL: - COPPER	CONDUCTOR MATERIAL: - COPPER	CONDUCTOR MATERIAL: - COPPER	CONDUCTOR MATERIAL: - COPPER	CONDUCTOR MATERIAL: - COPPER	CONDUCTOR MATERIAL: - COPPER
CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -
# OF CONDUCTORS ACCOMMODATED: 1	# OF CONDUCTORS ACCOMMODATED: 1	# OF CONDUCTORS ACCOMMODATED: 1	# OF CONDUCTORS ACCOMMODATED: 1	# OF CONDUCTORS ACCOMMODATED: 1-3	# OF CONDUCTORS ACCOMMODATED: 1	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 1
APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED -	APPLICATION: UL LISTED -	APPLICATION: UL LISTED -	APPLICATION: UL LISTED -	APPLICATION: UL LISTED -

WIRE SIZES	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1250	1500	1750	2000
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WIRE SIZE: 14-500	WIRE SIZE: 14-500	WIRE SIZE: 14-500	WIRE SIZE: 8-500	WIRE SIZE: 14-1500	WIRE SIZE: 14-350	WIRE SIZE: 3/0-800	WIRE SIZE: 14-800
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MECHANICAL CONNECTOR SELECTION GUIDE

TERMINATING - Aluminum Connector Families









							
CONDUCTOR FAMILY: UNIVERSAL TERMINAL	CONDUCTOR FAMILY: UNIVERSAL TERMINAL	CONDUCTOR FAMILY: UNIVERSAL TERMINAL	CONDUCTOR FAMILY: UNIVERSAL TERMINAL	CONDUCTOR FAMILY: UNIVERSAL TERMINAL	CONDUCTOR FAMILY: UNIVERSAL TERMINAL	CONDUCTOR FAMILY: UNIVERSAL TERMINAL	CONDUCTOR FAMILY: MECHANICAL PIN ADAPTOR
CONNECTOR TYPE: KA-U, KKA-U	CONNECTOR TYPE: K2A-U	CONNECTOR TYPE: K3A-U, KK3A-U	CONNECTOR TYPE: K4A-U, KK4A-U	CONNECTOR TYPE: K11A-U, K21A-U, K22A-U	CONNECTOR TYPE: K11A-U2N, K21A-U2N, K22A-U2N	CONNECTOR TYPE: K6A-U, K8A-U, KK6A-U, KK8A-U	CONNECTOR TYPE: KAP, KAPO
CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER
CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) FLEX
# OF CONDUCTORS ACCOMMODATED: 1-2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 3	# OF CONDUCTORS ACCOMMODATED: 4	# OF CONDUCTORS ACCOMMODATED: 2-4	# OF CONDUCTORS ACCOMMODATED: 2-4	# OF CONDUCTORS ACCOMMODATED: 6,8	# OF CONDUCTORS ACCOMMODATED: 1
APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: - - -	APPLICATION: UL LISTED CSA CERTIFIED -

WIRE SIZES	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1250	1500	1750	2000
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WIRE SIZE: 14-750	WIRE SIZE: 14-1000	WIRE SIZE: 14-1000	WIRE SIZE: 6-800	WIRE SIZE: 6-750	WIRE SIZE: 2-750	WIRE SIZE: 10-1000	WIRE SIZE: 6-750
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MECHANICAL CONNECTOR SELECTION GUIDE

SPLICING - Aluminum Connector Families

							
CONDUCTOR FAMILY: DUAL RATED SPLICE/ REDUCER	CONDUCTOR FAMILY: UNDERGROUND SPLICE KITS	CONDUCTOR FAMILY: IN-LINE SPLICE REDUCER	CONDUCTOR FAMILY: THE MOLE™	CONDUCTOR FAMILY: UNITAP™	CONDUCTOR FAMILY: UNITAP™	CONDUCTOR FAMILY: UNITAP™	CONDUCTOR FAMILY: VERSIPOLE™
CONNECTOR TYPE: AMS	CONNECTOR TYPE: UGSKIT	CONNECTOR TYPE: UGS350ULDB	CONNECTOR TYPE: BISR-DB	CONNECTOR TYPE: BISR	CONNECTOR TYPE: 1PBS	CONNECTOR TYPE: BISR-FX	CONNECTOR TYPE: BDB
CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER	CONDUCTOR MATERIAL: ALUMINUM COPPER
CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) -	CONDUCTOR STRANDING: CODE (CLASS B&C) FLEX	CONDUCTOR STRANDING: CODE (CLASS B&C) FLEX
# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2	# OF CONDUCTORS ACCOMMODATED: 2-4
APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED DIRECT BURIAL -	APPLICATION: UL LISTED CSA CERTIFIED DIRECT BURIAL SUBMERSIBLE	APPLICATION: UL LISTED CSA CERTIFIED DIRECT BURIAL -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -	APPLICATION: UL LISTED CSA CERTIFIED -

WIRE SIZES	18	16	14	12	10	8	6	4	2	1	1/0	2/0	3/0	4/0	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1250	1500	1750	2000
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WIRE SIZE: 14-1000	WIRE SIZE: 8-250	WIRE SIZE: 12-350	WIRE SIZE: 8-250	WIRE SIZE: 14-500	WIRE SIZE: 14-750	WIRE SIZE: 14-750	WIRE SIZE: 14-500
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