BURNDY WEJTAP™

CONNECTION SYSTEM

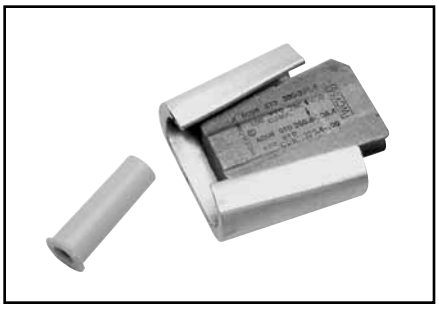
BURNDY®, a leading manufacturer of quality electrical connectors for over 70 years, introduces the WEJTAP™ SYSTEM, a system that adds further dimension to the existing BURNDY® group of proven, reliable connection systems.

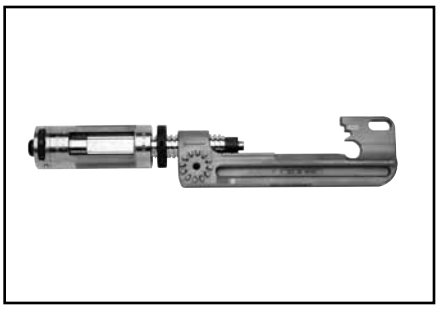
WEJTAP™ COMPONENTS are designed to provide a reliable system connection. The system consists of WEJTAP™ connectors, installation tools (including a variety of hotline and lineman accessories) and a unique power-booster.

WEJTAP™ CONNECTORS use an aluminum alloy wedge that is power-driven between the run and the tap cables locking them into a "C" shaped tempered aluminum alloy spring-body. The spring-body maintains consistent pressure throughout the life of the connection to ensure reliability during severe electrical and climatic conditions. The wedge's wiping action combined with factory installed PENTX 1530 provides superior contact integrity. The wedge is automatically locked onto the spring-body by a skiving action produced by a lance at the forward end of the WEJTAP™ installation tool.

THE WEJTAP™ TOOL is a one-piece assembly that consists of a head and power unit. Two color-coded interchangeable heads accept all WEJTAP™ connectors and STIR-RUP™. The design of the tool recognizes the need for simplicity and speed of operation as well as outstanding safety features such as automatic gas release vented away from the operator, fast simple breech loading and fast advance when engaging the connector assembly. No loose parts to drop or misplace and a booster ejection system that provides further safety to the operator. Fewer simplified hotline devices and handy lineman accessories complete an outstanding tool package.

THE WEJTAP™ POWER-BOOSTER Patented is a self-contained device that provides the force necessary to drive the wedge into direct contact with the conductors. The booster is activated only when properly positioned in the tool assembly. A power cell in the booster is recessed to guard against premature discharge. The tool/booster system is designed to activate and deactivate the booster automatically should the operator decide to remove the tool from a connector prior to completing the installation. The deactivated booster may be safely removed from the tool.





Features and Benefits

- Large conductor chamfer on ends of wedge.
  - ◊ Instant hand or visual identification of large run grooves. Ensures correct wedge orientation.
- Color-coded WEJTAP™ connector and booster packaged together.
  - ◊ Easy selection by installer.
- Factory coated grooves with PENTX 1530.
  - ◊ Maintains low contact resistance, assists in protection against climatic conditions and is compatible with common insulations.
- One-piece tool.
  - ◊ No project delays due to dropped or lost parts.
- Fewer and improved hotstick accessories
  - ◊ Simplifies hotline installation and saves time.
- Contained booster ejection system.
  - ◊ Safe for operator guards against the booster being ejected in direction of the installer.
- Automatic gas release vented away from operator.
  - ◊ Eliminates manual gas venting and improves safety.
- Simplified loading.
  - ◊ Speeds installation—no threads—just depress safety bar, twist and pull open—load—push and twist to close prior to applying connector.
- Acme-type threads.
  - ◊ Provides smooth, fast engagement of tool and connector-saves installer's time.

Blue highlighted items are industry standard and most frequently ordered.

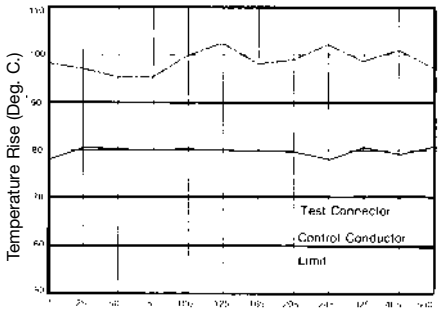
WEJTAP™ AND TEST DATA

WEJTAP™ connectors have been subjected to extensive tests simulating the most severe service and weather conditions. In addition. the WEJTAP™ system meets or exceeds the industry standards of ANSI C119.4 Class 3, NEMA CC3 1973 Class AA, 500 Heat Cycles.

As with all BURNDY® connectors, the WEJTAP™ has been designed to operate cooler than the attached conductors. The WEJTAP™ connectors have also been subjected to the ASTM B117-73 Salt Spray Test. The results are shown to the right.

ANSI C119.4 - 1986 Heat Cycle Test

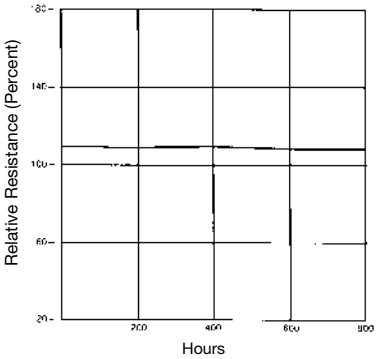
Average Temperature Rise vs. Current Cycles



Detailed test report packages are available upon request.

ASTM Salt Spray Test

Average % Relative Resistance vs. Hours of Salt Spray Exposure



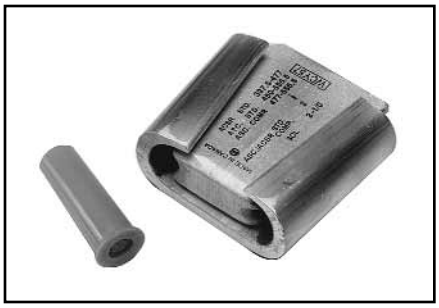
WEJTAP™

C-member bodies are color-coded and the wedges are marked with nominal conductor run and tap ranges. WEJTAP™ connector packages are labeled with a variety of common conductors with their nominal ranges.

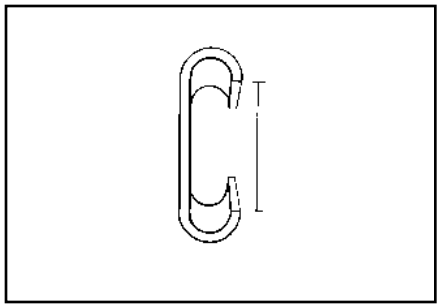
- WEJTAP™ connector wedges are marked with nominal ACSR, Aluminum and Copper concentric standard conductors.
- Red WEJTAP™ connector range Run 8-1/0 Tap 8-2
- Blue WEJTAP™ connector range Run 2-300 Tap 6-300
- Yellow WEJTAP™ connector range Run 266.8-1590 Tap 6-1590

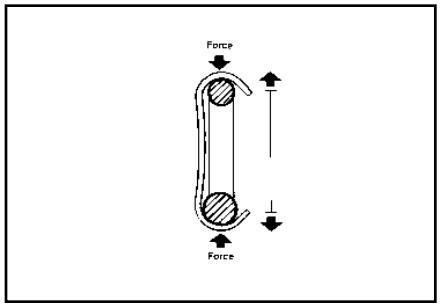
All WEJTAP™ wedges contain a clearly defined chamfer on the large end of the run conductor groove to identify the “large run” groove. Installers will appreciate the convenience of visual or hand identification for correct wedge positioning.

WEJTAP™ wedges are driven between the run and tap conductors and activate the spring characteristics of the “C” shaped body. This action maintains contact pressure even when the connection is subjected to severe climatic and electrical conditions.



RUS Accepted



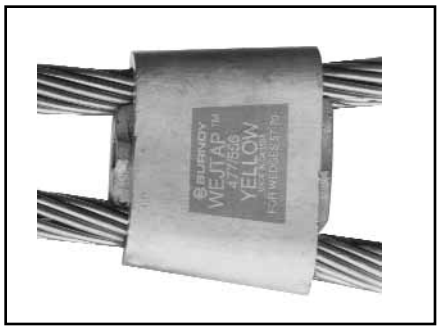


Blue highlighted items are industry standard and most frequently ordered.

The BURNDY® WEJTAP™ System has a wide variety of connectors available for many different conductor ranges.

Color coded boosters and connectors ensure proper matching during installation.

The BURNDY® Power Booster is designed and engineered for the highest reliability and safety. Proven rimfire design means misfires are almost nonexistent. Close manufacturing component tolerances provide maximum resistance to moisture or submersion.



ORDERING INFORMATION

■ Power boosters may be ordered separately in boxes of 25.

Red boosters	Cat. # **WPBRN Box 25**
Blue boosters	Cat. # **WPBBN Box 25**
Yellow boosters	Cat. # **WPBYN Box 25**

Select appropriate connector from pages J-6 - J-10. Match with equal number of color coded boosters (see below).

WPB—Red, Blue, Yellow Boosters

For information about conductors which are not listed, and for further ordering information, please contact BURNDY® at 1-800-346-4175.

J-5

WEJTAP™ COVER

WEJTAP™ Covers are installed on WEJTAP™ connectors to prevent them from coming in contact with other taps or exposed ground points. The covers are rugged snap-on devices available in four sizes to cover all connector sizes.

Cover Catalog Number	WEJTAP™ Size	Nominal Conductor Range		Cover Color
		Run	Tap	
WCCR	Small Old Style Red	8 - 1/0	8 - 2	Black Weather Rated
WCCB	Red & Blue	2 - 300	6 - 300	
WCCSY	Small (Yellow)	300 - 556.5	6 - 556.5	
WCCLY	Large (Yellow)	556.5 - 1033.5	556.5 - 1033.5	

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BURNDY WEJTAP™ SELECTION CHART

By Diameter

Catalog Number	Sum of Diameters		Run		Tap	
	Max	Min	Max	Min	Max	Min
Installed with red booster						
WCR29	0.723	0.584	0.398	0.257	0.398	0.257
WCR30	0.649	0.516	0.398	0.257	0.325	0.206
WCR31	0.602	0.464	0.398	0.257	0.258	0.162
WCR32	0.530	0.410	0.326	0.204	0.258	0.162
WCR33	0.459	0.331	0.258	0.169	0.230	0.162
WCR34	0.324	0.256	0.162	0.128	0.162	0.128
WCR35	0.560	0.452	0.398	0.257	0.162	0.128
WCR36	0.487	0.387	0.398	0.257	0.162	0.128
WCR37	0.416	0.297	0.258	0.169	0.162	0.128
Installed with blue booster						
WCB10	0.795	0.621	0.482	0.316	0.437	0.257
WCB11	0.901	0.763	0.568	0.364	0.457	0.257
WCB12	0.707	0.526	0.568	0.364	0.204	0.162
WCB13	0.761	0.600	0.568	0.364	0.258	0.204
WCB14	0.839	0.690	0.568	0.364	0.398	0.257
WCB15	0.769	0.622	0.568	0.364	0.204	0.162
WCB16	0.823	0.664	0.568	0.364	0.258	0.204
WCB17	0.963	0.804	0.568	0.364	0.464	0.257
WCB18	1.011	0.867	0.568	0.364	0.572	0.364
WCB19	1.068	0.938	0.568	0.364	0.572	0.379
WCB20	1.130	0.975	0.568	0.364	0.572	0.386
WCB21	0.846	0.711	0.650	0.532	0.204	0.162
WCB22	0.900	0.765	0.650	0.532	0.258	0.204
WCB23	0.972	0.818	0.650	0.532	0.330	0.257
WCB24	1.052	0.897	0.650	0.532	0.500	0.324
WCB25	1.104	0.963	0.650	0.532	0.562	0.364
WCB26	1.163	1.015	0.650	0.532	0.562	0.409
WCB27	1.221	1.080	0.650	0.532	0.575	0.460
WCB28	1.284	1.141	0.650	0.532	0.650	0.525
WCB40	0.888	0.762	0.684	0.603	0.204	0.162
WCB41	0.942	0.794	0.684	0.600	0.258	0.204
WCB42	1.011	0.857	0.684	0.600	0.333	0.257
WCB43	1.094	0.936	0.684	0.600	0.500	0.324
WCB44	1.146	1.009	0.684	0.600	0.562	0.364
WCB45	1.204	1.057	0.684	0.600	0.562	0.409
WCB46	1.284	1.119	0.684	0.600	0.592	0.460
WCB47	1.368	1.188	0.684	0.600	0.684	0.600
Installed with yellow booster						
WCY48	0.932	0.765	0.750	0.537	0.204	0.162
WCY49	1.012	0.807	0.750	0.537	0.271	0.203
WCY50	1.069	0.860	0.750	0.537	0.355	0.257
WCY51	1.141	0.927	0.750	0.537	0.557	0.324

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BURNDY WEJTAP™ SELECTION CHART

By Diameter

Catalog Number	Sum Of Diameters		Run		Tap	
	Max.	Min.	Max.	Min.	Max.	Min.
Installed with yellow booster						
WCY52	1.190	1.001	0.750	0.537	0.588	0.364
WCY53	1.236	1.012	0.750	0.537	0.619	0.409
WCY54	1.302	1.063	0.750	0.537	0.630	0.46
WCY55	1.370	1.140	0.750	0.537	0.714	0.499
WCY56	1.456	1.245	0.750	0.537	0.750	0.524
WCY57	1.190	0.979	0.893	0.666	0.326	0.257
WCY58	1.087	0.931	0.893	0.666	0.258	0.198
WCY59	1.061	0.891	0.893	0.666	0.199	0.162
WCY60	1.854	1.686	0.950	0.722	0.950	0.722
WCY61	1.741	1.524	0.940	0.683	0.940	0.666
WCY62	1.594	1.379	0.940	0.683	0.750	0.573
WCY63	1.500	1.297	0.940	0.683	0.750	0.481
WCY64	1.421	1.216	0.940	0.683	0.650	0.436
WCY65	1.360	1.147	0.940	0.683	0.562	0.382
WCY66	1.305	1.097	0.940	0.683	0.562	0.336
WCY67	1.270	1.054	0.940	0.683	0.450	0.315
WCY68	1.253	1.115	0.940	0.683	0.326	0.257
WCY69	1.187	1.059	0.940	0.683	0.262	0.204
WCY70	1.130	1.013	0.940	0.683	0.204	0.162
WCY71	2.216	2.074	1.133	0.907	1.156	0.947
WCY72	2.133	1.999	1.133	0.907	1.142	0.927
WCY73	2.098	1.946	1.133	0.907	1.142	0.907
WCY74	2.035	1.891	1.133	0.907	1.142	0.858
WCY75	1.969	1.822	1.133	0.889	0.927	0.763
WCY76	1.901	1.741	1.133	0.889	0.900	0.700
WCY77	1.829	1.677	1.133	0.889	0.750	0.575
WCY78	1.750	1.599	1.133	0.889	0.729	0.525
WCY79	1.670	1.526	1.133	0.889	0.722	0.364
WCY80	1.610	1.466	1.133	0.889	0.608	0.364
WCY81	1.555	1.411	1.133	0.889	0.608	0.364
WCY82	1.506	1.362	1.133	0.889	0.436	0.324
WCY83	1.440	1.288	1.133	0.889	0.398	0.257
WCY84	1.369	1.221	1.133	0.889	0.333	0.203
WCY85	1.306	1.158	1.133	0.889	0.258	0.162
WCY86	2.496	2.332	1.250	0.893	1.250	0.999
WCY87	2.418	2.251	1.250	0.893	1.250	0.856
WCY88	2.354	2.194	1.250	0.893	1.211	0.971
WCY89	2.297	2.137	1.250	0.893	1.200	0.923
WCY90	2.238	2.083	1.250	0.893	1.159	0.868
WCY91	2.173	2.013	1.250	0.893	1.130	0.856
WCY92	2.104	1.950	1.250	0.893	0.904	0.720
WCY93	2.029	1.869	1.250	0.893	0.900	0.700
WCY94	1.967	1.831	1.250	0.893	0.750	0.588
WCY95	1.888	1.728	1.250	0.893	0.722	0.525
WCY96	1.811	1.648	1.250	0.893	0.609	0.364
WCY97	1.748	1.591	1.250	0.893	0.598	0.385
WCY98	1.695	1.533	1.250	0.893	0.598	0.364
WCY99	1.644	1.489	1.250	0.893	0.398	0.324

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