

## WEJTAP™ Connection System

The WEJTAP™ System adds further dimension to the existing group of proven, reliable connection systems BURNDY has manufactured for over 70 years.

### WEJTAP™ Components

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

### WEJTAP™ Connectors

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.

### WEJTAP™ Installation Tooling

The WEJTAP™ Installation Tool is a one-piece assembly that consists of a head and power unit. Two color-coded interchangeable heads accept all WEJTAP™ connectors and STIRRUP™. 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 being vented away from the operator, fast simple breech loading, and fast advance when engaging the connector assembly. No loose parts to drop or misplace along with a booster ejector system that provides further safety to the operator. Fewer, simplified, hotline devices and handy lineman accessories complete the outstanding WEJTAP™ tooling package.



### WEJTAP™ Power Booster

The WEJTAP™ Power Booster is a patented, 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 provide instant hand or visual identification of large run grooves; also ensure correct wedge orientation
- Color-coded WEJTAP™ connector and booster are packaged together for easy selection by the installer
- Factory inserted PENTX 1530 in grooves maintains low contact resistance, assists in protection against climatic conditions and is compatible with common insulations
- One piece installation tool, no project delays due to dropped or lost tool parts
- Fewer, and improved, hotstick accessories simplifies hotline installation and saves time
- Contained booster ejection system provides safety for the operator against the booster being ejected in the direction of the installer
- Automatic gas release vents away from the operator and eliminates manual gas venting improving safety
- Simplified loading speeds installation; no threading, just depress safety bar, twist and pull open; load by pushing and twisting prior to applying connector
- Features Acme-type threads providing smooth, fast engagement of tool and connector saving installation time

## WEJTAP™ System; Test Data

The 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™ connectors have been designed to operate cooler than the attached conductors. The WEJTAP™ connectors have also been subjected to the ASTM B117-73 Salt Spray Test.

### WEJTAP™ Information

WEJTAP™ C-member bodies are color-coded and 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:

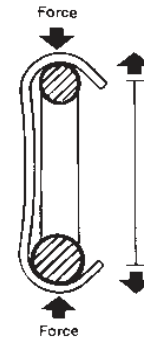
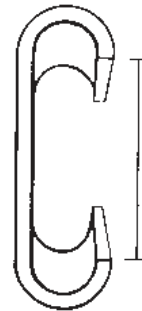
- Red WEJTAP™ connector range is Run: #8-1/0; Tap: #8-2
- Blue WEJTAP™ connector range is Run: #2-300 kcmil; Tap: #6-300 kcmil
- Yellow WEJTAP™ connector range is Run: 266.8-1590 kcmil; Tap: #6-1590 kcmil

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.

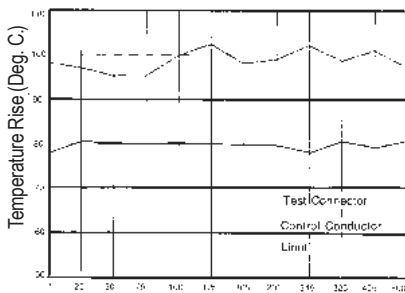


RUS Accepted



### ANSI C119.4 - 1986 Heat Cycle Test

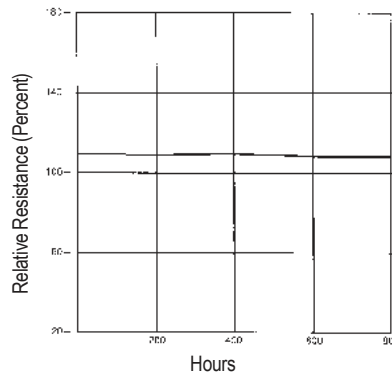
Average Temperature Rise vs. Current Cycles



Detailed test report packages are available upon request.

### ASTM Salt Spray Test

Average % Relative Resistance vs. Hours of Salt Spray Exposure



## WEJTAP™ Connection System

The BURNDY® WEJTAP™ Connection 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.

### WEJTAP™ Ordering Information

Power boosters may be ordered separately in boxes of 25.

Red Boosters: **WPBRNBOX25**  
Blue Boosters: **WPBBNBOX25**  
Yellow Boosters: **WPBYNBOX25**

Select appropriate connector, match with equal number of color coded boosters.

For information about conductors which are not listed, or further information, contact BURNDY® Customer Service at 1-800-346-4175.



## WEJTAP™ Cover

BURNDY® 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 Run	Nominal Conductor Range Tap	Cover Color
<b>WCCR</b>	Small Old Style Red	8-1/0	8-2	Black Weather Rated
<b>WCCB</b>	Red & Blue	2-300	6-300	
<b>WCCSY</b>	Small (Yellow)	300-556.50	6-556.50	
<b>WCCLY</b>	Large (Yellow)	556.50-1033.50	556.5-1033.50	

### 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
WCY52	1.190	1.001	0.750	0.537	0.588	0.364