

# TOTALSOURCE®



## Power Catalog

Productos y Accesorios para Baterías

Produits et Accessoires pour Batteries





## CONNECTORS

<b>Connectors</b> Conectores Connecteurs . . . . .	<b>2</b>
<b>Nylon Insulated Terminals</b> Terminales de Nylon Aislados Bornes Isolées en Nylon . . . . .	<b>17</b>
<b>Heat Sealable Nylon Terminals</b> Terminales de nylon termosellables Bornes Thermoscellables en Nylon . . . . .	<b>20</b>
<b>Terminal Lugs</b> Terminales Cosses Pour Bornes . . . . .	<b>21</b>
<b>Solderless Battery Terminals</b> Terminales de Batería sin Soldadura Bornes de Batterie sans Soudure . . . . .	<b>25</b>
<b>Leadhead Battery Terminals</b> Bornes de Batería de Plomo Contact de Bornes de Batterie . . . . .	<b>26</b>
<b>Intercells</b> . . . . .	<b>27</b>
<b>Terminal Kits</b> Juegos de Terminales Kits de Bornes . . . . .	<b>27</b>
<b>Terminal Insulators</b> Aisladores Eléctricos Isolateurs de Bornes . . . . .	<b>31</b>
<b>Leadhead Shrouds</b> Protector del Contacto Protecteur de Contact. . . . .	<b>35</b>



## HEAT SHRINK

<b>Heat Shrink Tubing</b> Tubería Termorretráctil Tubes Thermo Rétractables . . . . .	<b>36</b>
<b>QuickHeat™ Guns</b> Pistolas QuickHeat™ Pistolets QuickHeat™ . . . . .	<b>43</b>
<b>Cable Clamps</b> Abrazaderas de Cable Serre-Câbles . . . . .	<b>43</b>



## TIES

<b>Cable Ties</b> Sujetacables Attaches de Câbles . . . . .	<b>44</b>
<b>Cable &amp; Wire</b> Cables & Alambres Câbles & Fils Électriques . . . . .	<b>46</b>



## TOOLS

<b>Tools</b> Herramientas Outils . . . . .	<b>55</b>
--	-----------



## CHARGERS

<b>Chargers</b> Cargadores Chargeurs . . . . .	<b>62</b>
<b>PowerPulse</b> . . . . .	<b>69</b>
<b>SolarPulse</b> . . . . .	<b>69</b>
<b>Xtreme Charge</b> . . . . .	<b>70</b>
<b>RediPulse Pro-12</b> . . . . .	<b>70</b>



## BATTERY

<b>Dry Cell Batteries</b> . . . . .	<b>71</b>
<b>Battery Boxes</b> Cajas de Batería Boîtes de Batteries . . . . .	<b>72</b>
<b>Disconnect Switches</b> Interruptores Desconectadores Interrupteurs de Déconnexion . . . . .	<b>72</b>



## GAUGES

<b>Gauges</b> Medidores Jauges . . . . .	<b>73</b>
--	-----------



# Connectors Conectores Connecteurs

## SB®

- Single piece housings of impact resistant polycarbonate offer both high physical strength and superior dielectric properties
- Silver plated solid copper contacts offer low resistance for superior conductivity
- Self cleaning contact design resists arcing by keeping conductive surfaces clean and free of corrosion
- Contacts have flared and heat treated barrels which readily accept fine stranded wire and allow easy, quality crimping
- Integral stainless steel springs maintain constant pressure on the contact to insure a consistent, low-resistance connection

Note: Assembly is one housing and two tips

- Cada uno de los alojamientos, hechos con policarbonato resistente al impacto, ofrece alta resistencia física y excelentes propiedades dieléctricas
- Los contactos de cobre macizo plateados ofrecen baja resistencia para una conductividad superior
- El diseño de autolimpieza de los contactos resiste la formación de arco manteniendo las superficies conductoras limpias y libres de corrosión
- Los contactos tienen troncos que han sido tratados en altas temperaturas y con llama, estos facilitan la entrada de alambres finos, trenzados y engarzados limpiamente
- Los resortes con entornos de acero inoxidable mantienen una presión constante sobre el conector para asegurar una conexión consistente y de menos resistencia

Nota: El conjunto se compone de una carcasa y dos boquillas

- Les logements sont fabriqués d'une seule pièce constituée de polycarbonate résistant aux chocs, ce qui offre à la fois une grande résistance physique et des propriétés diélectriques renforcées.
- Les contacts en cuivre massif plaqués argent offrent une faible résistance permettant une conductivité supérieure.
- La conception autonettoyante des contacts empêche les décharges disruptives en maintenant les surfaces conductrices propres et exemptes de corrosion.
- Les contacts disposent de fûts à sertir évasés ayant subi un traitement thermique ce qui permet d'y loger des fils fins à âme multibrin et facilite un serrissage de qualité.
- Des ressorts en acier inoxydable intégrés maintiennent une pression permanente sur le contact afin d'assurer une connexion constante offrant une faible résistance.

Note : L'ensemble est constitué d'un logement et de deux becs.



	Color	Assembly	APP® Assembly	Housing	APP® Housing	2 Piece Contact	Single Contact
<b>50amp</b>							
6ga		SY6319	6319	SY992	992	SY903G1	5900-BK
10-12ga		SY6319G1	6319G1	SY992	992	SY904G1	5915-BK
8ga		SY6319G2	6319G2	SY992	992	SY905G1	5952-BK
6ga		SY6331G1	6331G1	SY992G1	992G1	SY903G1	5900-BK
10-12ga		SY6331G2	6331G2	SY992G1	992G1	SY904G1	5915-BK
6ga		SY6331G3	6331G3	SY992G2	992G2	SY903G1	5900-BK
10-12ga		SY6331G4	6331G4	SY992G2	992G2	SY904G1	5915-BK
6ga		SY6331G5	6331G5	SY992G3	992G4	SY903G1	5900-BK
10-12ga		SY6331G6	6331G6	SY992G3	992G4	SY904G1	5915-BK
6ga		SY6331G7	6331G7	SY992G4	992G5	SY903G1	5900-BK
10-12ga		SY6331G8	6331G8	SY992G4	992G5	SY904G1	5915-BK
8ga		SY6331G9	N/A	SY992G4	992G5	SY905G1	5952-BK
<b>120amp</b>							
2ga		SY6330G2	6800G1	SY920	6810G1	SY1319-G2	1319-BK
4ga		SY6330G4	6800G2	SY920	6810G1	SY1319-G4	1319G4-BK
6ga		SY6330G6	6800G3	SY920	6810G1	SY1319-G6	1319G6-BK
2ga		N/A	6801G1	SY920G3	6810G2	SY1319-G2	1319-BK
4ga		N/A	6801G2	SY920G3	6810G2	SY1319-G4	1319G4-BK
6ga		N/A	6801G3	SY920G3	6810G2	SY1319-G6	1319G6-BK
2ga		N/A	6802G1	N/A	6810G3	SY1319-G2	1319-BK
4ga		N/A	6802G2	N/A	6810G3	SY1319-G4	1319G4-BK
6ga		N/A	6802G3	N/A	6810G3	SY1319-G6	1319G6-BK
<b>175amp</b>							
1/0		SY6325G1	6325G1	SY940	940	SY944	1382-BK
2ga		SY6325G5	6325G5	SY940	940	SY944-2	1383-BK
4ga		SY6325G6	6325G6	SY940	940	SY944-4	1384-BK
6ga		SY6325G7	N/A	SY940	940	SY944-6	1348-BK
1/0		SY6326G1	6326G1	SY941	941	SY944	1382-BK
2ga		SY6326G5	6326G5	SY941	941	SY944-2	1383-BK
4ga		SY6326G6	6326G6	SY941	941	SY944-4	1384-BK
6ga		SY6326G7	N/A	SY941	941	SY944-6	1348-BK
1/0		SY6327G1	6327G1	SY942	942	SY944	1382-BK
2ga		SY6327G5	6327G5	SY942	942	SY944-2	1383-BK
4ga		SY6327G6	6327G6	SY942	942	SY944-4	1384-BK
6ga		SY6327G7	N/A	SY942	942	SY944-6	1348-BK

# Connectors Conectores Connecteurs

	Color	Assembly	APP® Assembly	Housing	APP® Housing	2 Piece Contact	Single Contact
<b>180amp</b>							
1/0	Yellow	SY6328G1	6328G1	SY943	943	SY944	1382-BK
2ga	Yellow	SY6328G5	6328G5	SY943	943	SY944-2	1383-BK
4ga	Yellow	SY6328G6	6328G6	SY943	943	SY944-4	1384-BK
6ga	Yellow	SY6328G7	N/A	SY943	943	SY944-6	1348-BK
1/0	Red	SY6329G1	6329G1	SY949	949	SY944	1382-BK
2ga	Red	SY6329G5	6329G5	SY949	949	SY944-2	1383-BK
4ga	Red	SY6329G6	6329G6	SY949	949	SY944-4	1384-BK
6ga	Red	SY6329G7	N/A	SY949	949	SY944-6	1348-BK
<b>350amp</b>							
2/0	Grey	SY6320G1	6320G1	SY906	906	SY907	907-BK
4/0	Grey	SY6320G2	6320G2	SY906	906	SY908	908-BK
1/0	Grey	SY6320G3	N/A	SY906	906	SY917	917-BK
3/0	Grey	SY6320G5	6320G5	SY906	906	SY916	916-BK
2/0	Blue	SY6321G1	6321G1	SY912	912	SY907	907-BK
4/0	Blue	SY6321G2	6321G2	SY912	912	SY908	908-BK
1/0	Blue	SY6321G3	N/A	SY912	912	SY917	917-BK
3/0	Blue	SY6321G5	6321G5	SY912	912	SY916	916-BK
2/0	Red	SY6322G1	6322G1	SY913	913	SY907	907-BK
4/0	Red	SY6322G2	6322G2	SY913	913	SY908	908-BK
1/0	Red	SY6322G3	N/A	SY913	913	SY917	917-BK
3/0	Red	SY6322G5	6322G5	SY913	913	SY916	916-BK
2/0	Yellow	SY6323G1	6323G1	SY914	914	SY907	907-BK
4/0	Yellow	SY6323G2	6323G2	SY914	914	SY908	908-BK
1/0	Yellow	SY6323G3	N/A	SY914	914	SY917	917-BK
3/0	Yellow	SY6323G5	6323G5	SY914	914	SY916	916-BK
2/0	Green	SY6324G1	6324G1	SY931	931	SY907	907-BK
4/0	Green	SY6324G2	6324G2	SY931	931	SY908	908-BK
1/0	Green	SY6324G3	N/A	SY931	931	SY917	917-BK
3/0	Green	SY6324G5	6324G5	SY931	931	SY916	916-BK
2/0	Orange	SY6400G1	6400G1	SY932	932	SY907	907-BK
4/0	Orange	SY6400G2	6400G2	SY932	932	SY908	908-BK
1/0	Orange	SY6400G3	N/A	SY932	932	SY917	917-BK
3/0	Orange	SY6400G5	6400G5	SY932	932	SY916	916-BK

## SB® 3-Pole Connectors



Wire awg	Color	Part #	Description
<b>175amp</b>			
1/0	Grey	6316	• Polycarbonate housing
2awg	Grey	6316G10	• Connector, contact tips and hardware

# Connectors Conectores Connecteurs

## SBE®

- Single piece housings of impact resistant PBT offer both high physical strength and superior dielectric properties
- Silver plated solid copper contacts offer low resistance for superior conductivity
- Self cleaning contact design resists arcing by keeping conductive surfaces clean and free of corrosion
- Contacts have heat treated barrels that readily accept fine stranded wire and allow easy, quality crimping
- Auxiliary contacts provide a second optional circuit connection (SY6344)

Note: Assembly is one housing and two tips

- Cada uno de los alojamientos es resistente contra el impacto PBT y ofrece una alta resistencia física y excelentes propiedades dieléctricas
- Los contactos de cobre macizo plateados ofrecen baja resistencia para una conductividad superior
- El diseño de autolimpieza de los contactos resiste la formación de arco manteniendo las superficies conductoras limpias y libres de corrosión
- Los contactos tienen barriles tratados térmicamente que aceptan con facilidad alambre trenzado fino y permite un engarce fácil y de calidad
- Los alojamientos auxiliares proporcionan una conexión de circuito opcional

Note: El conjunto se compone de una carcasa y dos boquillas

- Les logements sont fabriqués d'une seule pièce constituée de PBT résistant aux chocs, ce qui offre à la fois une grande résistance physique et des propriétés diélectriques renforcées.
- Les contacts en cuivre massif plaqués argent offrent une faible résistance permettant une conductivité supérieure.
- La conception autonettoyante des contacts empêche les décharges disruptives en maintenant les surfaces conductrices propres et exemptes de corrosion.
- Les contacts disposent de fûts à sertir évasés ayant subi un traitement thermique ce qui permet d'y loger des fils fins à âme multibrin et facilite un sertissage de qualité.
- Les contacts auxiliaires procurent une connexion vers un circuit secondaire.

Note : L'ensemble est constitué d'un logement et de deux bcs.



	Color	Assembly	APP® Assembly	Housing	APP® Housing	2 Piece Contact	Single Contact
<b>160amp</b>							
35sq mm	Grey	SYE6374G2	E6374G2	SYE6380G1	E6380G1	SY6384G2	6384G2-BK
35sq mm	Blue	SYE6375G2	E6375G2	SYE6381G1	E6381G1	SY6384G2	6384G2-BK
35sq mm	Orange	SYE6376G2	E6376G2	SYE6382G1	E6382G1	SY6384G2	6384G2-BK
35sq mm	Yellow	SYE6377G2	E6377G2	SYE6383G1	E6383G1	SY6384G2	6384G2-BK
35sq mm	Red	SYE6379G2	E6379G2	SYE6385G1	E6385G1	SY6384G2	6384G2-BK
35sq mm	Black	SYE6389G2	E6389G2	SYE6392G1	E6392G1	SY6384G2	6384G2-BK
35sq mm	Green	SYE6391G2	E6391G2	SYE6390G1	E6390G1	SY6384G2	6384G2-BK
<b>320amp</b>							
2/0	Grey	SYE6345G1	E6345G1	SYE6350	E6350	SY6354	6354-BK
3/0	Grey	SYE6345G2	E6345G2	SYE6350	E6350	SY6355	6355-BK
2/0	Blue	SYE6346G1	E6346G1	SYE6351	E6351	SY6354	6354-BK
3/0	Blue	SYE6346G2	E6346G2	SYE6351	E6351	SY6355	6355-BK
2/0	Red	SYE6347G1	E6347G1	SYE6352	E6352	SY6354	6354-BK
3/0	Red	SYE6347G2	E6347G2	SYE6352	E6352	SY6355	6355-BK
2/0	Green	SYE6348G1	E6348G1	SYE6353	E6353	SY6354	6354-BK
3/0	Green	SYE6348G2	E6348G2	SYE6353	E6353	SY6355	6355-BK
2/0	Black	SYE6363G1	E6363G1	SYE6361	E6361	SY6354	6354-BK
3/0	Black	SYE6363G2	E6363G2	SYE6361	E6361	SY6355	6355-BK
2/0	Yellow	SYE6364G1	E6364G1	SYE6362	E6362	SY6354	6354-BK
3/0	Yellow	SYE6364G2	E6364G2	SYE6362	E6362	SY6355	6355-BK
2/0	Orange	SYE6369G1	E6369G1	SYE6339	E6339	SY6354	6354-BK
3/0	Orange	SYE6369G2	E6369G2	SYE6339	E6339	SY6355	6355-BK
2/0	Brown	SYE6334G1	E6334G1	SYE6336	E6336	SY6354	6354-BK
3/0	Brown	SYE6334G2	E6334G2	SYE6336	E6336	SY6355	6355-BK
2/0	Purple	SYE6335G1	E6335G1	SYE6349	E6349	SY6354	6354-BK
3/0	Purple	SYE6335G2	E6335G2	SYE6349	E6349	SY6355	6355-BK

# Connectors Conectores Connecteurs

## SBE® Kits

• Includes housing, contacts and auxiliary contact

• Incluye el alojamiento, los contactos y el contacto auxiliar

• Inclut le logement, les contacts et le contact auxiliaire.



SY6344 - basic aux kit shown

	Color	Assembly	APP® Assembly	Housing	APP® Housing	2 Piece Contact	Single Contact
<b>160amp</b>							
35 mm	Grey	SYE6370G2	E6370G2	SYE6380G1	E6380G1	SY6384G2	6384G2-BK
35 mm	Blue	SYE6371G2	E6371G2	SYE6381G1	E6381G1	SY6384G2	6384G2-BK
35 mm	Orange	SYE6372G2	E6372G2	SYE6382G1	E6382G1	SY6384G2	6384G2-BK
35 mm	Yellow	SYE6373G2	E6373G2	SYE6383G1	E6383G1	SY6384G2	6384G2-BK
35 mm	Red	SYE6378G2	E6378G2	SYE6385G1	E6395G1	SY6384G2	6384G2-BK
35 mm	Black	SYE6387G2	E6387G2	SYE6390G1	E6390G1	SY6384G2	6384G2-BK
35 mm	Green	SYE6388G2	E6388G2	SYE6392G1	E6392G1	SY6384G2	6384G2-BK
<b>320amp</b>							
2/0	Grey	SYE6340G1	E6340G1	SYE6350	E6350	SY6354	6354-BK
3/0	Grey	SYE6340G2	E6340G2	SYE6350	E6350	SY6355	6355-BK
2/0	Blue	SYE6341G1	E6341G1	SYE6351	E6351	SY6354	6354-BK
3/0	Blue	SYE6341G2	E6341G2	SYE6351	E6351	SY6355	6355-BK
2/0	Red	SYE6342G1	E6342G1	SYE6352	E6352	SY6354	6354-BK
3/0	Red	SYE6342G2	E6342G2	SYE6352	E6352	SY6355	6355-BK
2/0	Green	SYE6343G1	E6343G1	SYE6353	E6353	SY6354	6354-BK
3/0	Green	SYE6343G2	E6343G2	SYE6353	E6353	SY6355	6355-BK
2/0	Black	SYE6359G1	E6359G1	SYE6361	E6361	SY6354	6354-BK
3/0	Black	SYE6359G2	E6359G2	SYE6361	E6361	SY6355	6355-BK
2/0	Yellow	SYE6360G1	E6360G1	SYE6362	E6362	SY6354	6354-BK
3/0	Yellow	SYE6360G2	E6360G2	SYE6362	E6362	SY6355	6355-BK
2/0	Orange	SYE6368G1	E6368G1	SYE6339	E6339	SY6354	6354-BK
3/0	Orange	SYE6368G2	E6368G2	SYE6339	E6339	SY6355	6355-BK
2/0	Brown	SYE6332G1	E6332G1	N/A	E6336	SY6354	6354-BK
3/0	Brown	SYE6332G2	E6332G2	N/A	E6336	SY6355	6355-BK
2/0	Purple	SYE6333G1	E6333G1	N/A	E6349	SY6354	6354-BK
3/0	Purple	SYE6333G2	E6333G2	N/A	E6349	SY6355	6355-BK

## SBE® 160 3-Pole and Handle



Wire awg	Color	Part #	Description
<b>160amp</b>			
35mm	Red	SY69350	Connector
	Black	SYU127482	Handle, hardware

# Connectors Conectores Connecteurs

## SBX®

- Single piece housings of impact resistant polycarbonate offer both high physical strength and superior dielectric properties
- Silver plated solid copper contacts offer low resistance for superior conductivity
- Self cleaning contact design resists arcing by keeping conductive surfaces clean and free of corrosion
- Contacts have heat treated barrels that readily accept fine stranded wire and allow easy, quality crimping
- Integral stainless steel springs maintain constant pressure on the contact to insure a consistent, low resistance connection
- Mechanical keys in housing prevent mating of different color connectors, preventing mismatching of voltages
- Auxiliary contacts provide a secondary circuit connection

Note: Assembly is one housing and two tips

- Cada uno de los alojamientos, hechos con policarbonato resistente al impacto, ofrece alta resistencia física y propiedades dieléctricas superiores
- Los contactos de cobre macizo plateados ofrecen baja resistencia para una conductividad superior
- El diseño de autolimpieza de los contactos resiste la formación de arco manteniendo las superficies conductoras limpias y libres de corrosión
- Los contactos tienen barriles tratados térmicamente que aceptan con facilidad alambre trenzado fino y permite un engarce fácil y de calidad
- Los resortes totalmente en acero inoxidable mantienen una presión constante sobre el contacto para asegurar una conexión constante de baja resistencia
- Las llaves mecánicas en la carcasa evitan el acoplamiento de los conectores de color diferente, previniendo desajustes de tensiones
- Los contactos auxiliares proporcionan una segunda conexión opcional

Nota: El conjunto se compone de una carcasa y dos boquillas

- Les logements sont fabriqués d'une seule pièce constituée de polycarbonate résistant aux chocs, ce qui offre à la fois une grande résistance physique et des propriétés diélectriques renforcées.
- Les contacts en cuivre massif plaqués argent offrent une faible résistance permettant une conductivité supérieure.
- La conception autonettoyante des contacts empêche les décharges disruptives en maintenant les surfaces conductrices propres et exemptes de corrosion.
- Les contacts disposent de fûts à sertir évasés ayant subi un traitement thermique ce qui permet d'y loger des fils fins à âme multibrin et facilite un sertissage de qualité.
- Des ressorts en acier inoxydable intégrés maintiennent une pression permanente sur le contact afin d'assurer une connexion constante offrant une faible résistance.
- Des ergots mécaniques présents dans le logement empêchent l'accouplement de connecteurs de différentes couleurs, éliminant ainsi le risque d'un mauvais assortiment des voltages.
- Les contacts auxiliaires procurent une connexion vers un circuit secondaire.

Note : L'ensemble est constitué d'un logement et de deux becs.



	Color	Assembly	APP® Assembly	Housing	APP® Housing	2 Piece Contact	Single Contact
<b>175amp</b>							
1/0	Grey	SY6374G1	6374G1	SY6380G1	6380G1	SY6384G1	6384G1-BK
35sq mm	Grey	SY6374G2	N/a	SY6380G1	6380G1	SY6384G2	6384G2-BK
1/0	Blue	SY6375G1	6375G1	SY6381G1	6381G1	SY6384G1	6384G1-BK
35sq mm	Blue	SY6375G2	6375G2	SY6381G1	6381G1	SY6384G2	6384G2-BK
1/0	Orange	SY6376G1	6376G1	SY6382G1	6382G1	SY6384G1	6384G1-BK
35sq mm	Orange	SY6376G2	6376G2	SY6382G1	6382G1	SY6384G2	6384G2-BK
1/0	Yellow	SY6377G1	6377G1	SY6383G1	6383G1	SY6384G1	6384G1-BK
35sq mm	Yellow	SY6377G2	N/a	SY6383G1	6383G1	SY6384G2	6384G2-BK
1/0	Red	SY6379G1	6379G1	SY6385G1	6385G1	SY6384G1	6384G1-BK
35sq mm	Red	SY6379G2	N/a	SY6385G1	6385G1	SY6384G2	6384G2-BK
1/0	Green	SY6391G1	6391G1	SY6390G1	6390G1	SY6384G1	6384G1-BK
35sq mm	Green	SY6391G2	N/a	SY6390G1	6390G1	SY6384G2	6384G2-BK
<b>350amp</b>							
2/0	Grey	SY6345G1	6345G1	SY6350	6350	SY6354	6354-BK
3/0	Grey	SY6345G2	6345G2	SY6350	6350	SY6355	6355-BK
4/0	Grey	SY6345G3	6345G3	SY6350	6350	SY6356	6356-BK
2/0	Blue	SY6346G1	6346G1	SY6351	6351	SY6354	6354-BK
3/0	Blue	SY6346G2	6346G2	SY6351	6351	SY6355	6355-BK
4/0	Blue	SY6346G3	6346G3	SY6351	6351	SY6356	6356-BK
2/0	Red	SY6347G1	6347G1	SY6352	6352	SY6354	6354-BK
3/0	Red	SY6347G2	6347G2	SY6352	6352	SY6355	6355-BK
4/0	Red	SY6347G3	6347G3	SY6352	6352	SY6356	6356-BK
2/0	Green	SY6348G1	6348G1	SY6353	6353	SY6354	6354-BK
3/0	Green	SY6348G2	6348G2	SY6353	6353	SY6355	6355-BK
4/0	Green	SY6348G3	6348G3	SY6353	6353	SY6356	6356-BK
2/0	Black	SY6363G1	6363G1	SY6361	6361	SY6354	6354-BK
3/0	Black	SY6363G2	6363G2	SY6361	6361	SY6355	6355-BK
4/0	Black	SY6363G3	N/a	SY6361	6361	SY6356	6356-BK
2/0	Yellow	SY6364G1	6364G1	SY6362	6362	SY6354	6354-BK
3/0	Yellow	SY6364G2	6364G2	SY6362	6362	SY6355	6355-BK
4/0	Yellow	SY6364G3	6364G3	SY6362	6362	SY6356	6356-BK
2/0	Orange	SY6369G1	6369G1	SY6339	6339	SY6354	6354-BK
3/0	Orange	SY6369G2	6369G2	SY6339	6339	SY6355	6355-BK
4/0	Orange	SY6369G3	6369G3	SY6339	6339	SY6356	6356-BK

# Connectors Conectores Connecteurs

## SBX® Kits

• Includes housing, contacts and auxiliary contact

• Incluye la carcasa, los contactos y el contacto auxiliar

• Inclut le logement, les contacts et le contact auxiliaire.



SY6344 - basic aux kit shown

	Color	Assembly	APP® Assembly	Housing	APP® Housing	2 Piece Contact	Single Contact
<b>175amp</b>							
1/0	Grey	SY6370G1	6370G1	SY6380G1	6380G1	SY6384G1	6384G1-BK
35sq mm	Grey	SY6370G2	N/A	SY6380G1	6380G1	SY6384G2	6384G2-BK
1/0	Blue	SY6371G1	6371G1	SY6381G1	6381G1	SY6384G1	6384G1-BK
35sq mm	Blue	SY6371G2	6371G2	SY6381G1	6381G1	SY6384G2	6384G2-BK
1/0	Orange	SY6372G1	6372G1	SY6382G1	6382G1	SY6384G1	6384G1-BK
35sq mm	Orange	SY6372G2	6372G2	SY6382G1	6382G1	SY6384G2	6384G2-BK
1/0	Yellow	SY6373G1	6373G1	SY6383G1	6383G1	SY6384G1	6384G1-BK
35sq mm	Yellow	SY6373G2	6373G2	SY6383G1	6383G1	SY6384G2	6384G2-BK
1/0	Red	SY6378G1	6378G1	SY6385G1	6385G1	SY6384G1	6384G1-BK
35sq mm	Red	SY6378G2	6378G2	SY6385G1	6385G1	SY6384G2	6384G2-BK
1/0	Green	SY6387G1	6387G1	SY6390G1	6390G1	SY6384G1	6384G1-BK
35sq mm	Green	SY6387G2	N/A	SY6390G1	6390G1	SY6384G2	6384G2-BK
<b>350amp</b>							
2/0	Grey	SY6340G1	6340G1	SY6350	6350	SY6354	6354-BK
3/0	Grey	SY6340G2	6340G2	SY6350	6350	SY6355	6355-BK
4/0	Grey	SY6340G3	6340G3	SY6350	6350	SY6356	6356-BK
2/0	Blue	SY6341G1	6341G1	SY6351	6351	SY6354	6354-BK
3/0	Blue	SY6341G2	6341G2	SY6351	6351	SY6355	6355-BK
4/0	Blue	SY6341G3	6341G3	SY6351	6351	SY6356	6356-BK
2/0	Red	SY6342G1	6342G1	SY6352	6352	SY6354	6354-BK
3/0	Red	SY6342G2	6342G2	SY6352	6352	SY6355	6355-BK
4/0	Red	SY6342G3	6342G3	SY6352	6352	SY6356	6356-BK
2/0	Green	SY6343G1	6343G1	SY6353	6353	SY6354	6354-BK
3/0	Green	SY6343G2	6343G2	SY6353	6353	SY6355	6355-BK
4/0	Green	SY6343G3	6343G3	SY6353	6353	SY6356	6356-BK
2/0	Black	SY6359G1	6359G1	SY6361	6361	SY6354	6354-BK
3/0	Black	SY6359G2	6359G2	SY6361	6361	SY6355	6355-BK
4/0	Black	SY6359G3	6359G3	SY6361	6361	SY6356	6356-BK
2/0	Yellow	SY6360G1	6360G1	SY6362	6362	SY6354	6354-BK
3/0	Yellow	SY6360G2	6360G2	SY6362	6362	SY6355	6355-BK
4/0	Yellow	SY6360G3	6360G3	SY6362	6362	SY6356	6256-BK
2/0	Orange	SY6368G1	6368G1	SY6339	6339	SY6354	6354-BK
3/0	Orange	SY6368G2	6368G2	SY6339	6339	SY6355	6355-BK
4/0	Orange	SY6368G3	6368G3	SY6339	6339	SY6356	6356-BK










# Connectors Conectores Connecteurs

Accessories for SB®, SBE® & SBX® Connectors  
Connectors not included

Accesorios para Conectores SB®, SBE® & SBX®  
Los conectores no están incluidos

Accessoires pour les connecteurs SB®, SBE® & SBX®  
Les connecteurs ne sont pas inclus.





Connector Handles	Part #	Application	Description	
	Steel			
	SY50H	50amp	Red	
	SY175-H	175amp	Red	
	SY175-350H	175, 350amp	Red	
	Steel Kits - Anderson Style			
	SY911-RS	175, 350amp	Steel	
	SY911-C (Coated Steel)	175, 350amp	Red	
	Polycarbonate Kits			
	SY994	50 - 120amp	Gray	
	SY994BLACK	50 - 120amp	Black	
	SY994RED	50 - 120amp	Red	
	SY995	160 - 350amp	Gray	
	SY995BLACK	160 - 350amp	Black	
	SY995RED	160 - 350amp	Red	
	995G1	175amp	Gray	
	995G2	350amp	Gray	
	995G3	175amp	Red	
995G4	350amp	Red		
	Connector Dust Covers			
	STC902-BLK	350amp	Black	
	STC902-RED	350amp	Red	
	STC903	50amp	Red	
	STC904	50amp	Black	
	STC908-BLK	175amp	Black	
	STC908-RED	175amp	Red	
		134G1	50amp	Red
		134G2	175amp	Red
		134G3	350amp	Red
		134G4	120amp	Red
		STC905	175amp	Black
		STC906	350amp	Black
		Protective Boot		
126411		50amp	Black	
126412		175amp	Black	
	126413	350amp	Black	

# Connectors Conectores Connecteurs




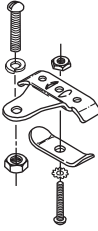
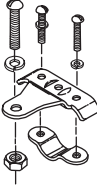
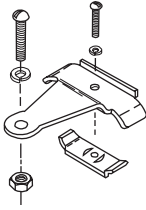

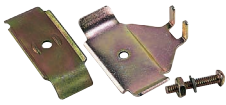
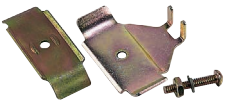
Accessories for SB®, SBE® & SBX® Connectors  
Connectors not included

Accesorios para Conectores SB®, SBE® & SBX®  
Los conectores no están incluidos

Accessoires pour les connecteurs SB®, SBE® & SBX®  
Les connecteurs ne sont pas inclus.

Connector Manual Releases	Part #	Application	Description
	SY175M	SB® 175amp	Red Mounting Half with Hardware for Charger or Truck
	SY350M	SB® 350amp	
	SY175L	SB® 175amp	Locking Handle with Clamps and Hardware
	SY350L	SB® 350amp	
	SY993G1	SBE® 320amp SBX® 350amp	Mounting Half with Hardware, for Charger or Truck
	SY993G2	SBE® 160amp SBX® 175amp	
	SY994G1	SBE® 320amp SBX® 350amp	Locking Handle with Hardware, for Battery
	SY994G2	SBE® 160amp SBX® 175amp	

## Cable Clamps

Application: 50amp		Application: 175amp			Application: 350amp
SY990	SY5905	SY945	SY945G3	SY946G1	SY996G1
					
2 Single Conductor	1 Twin Conductor	2 Single Conductor	Used with Handle Only	1 Twin Conductor	2 Single Conductor
Application: SBE®, SBX®		Application: SBE® 160amp, SBX® 175amp			Application: SBE® 320amp, SBX® 175amp
SY945G7		SY945G2			SY911G2
					
2 Single or 1Twin Conductor		2 Single or 1Twin Conductor			2 Single or 1Twin Conductor

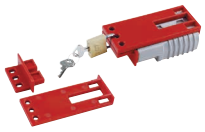










Note: Required by UL when contacts are soldered to unsupported leads

# Connectors Conectores Connecteurs

Accessories for SB®, SBE® & SBX® Connectors  
Connectors not included

Accesorios para Conectores SB®, SBE® & SBX®  
Los conectores no están incluidos

Accessoires pour les connecteurs SB®, SBE® & SBX®  
Les connecteurs ne sont pas inclus.

Connector Lock-Outs	Part #	Application	Color
	SY175-LOCKOUT (Lock not included)	SB® 175amp	Red
	SY350-LOCKOUT (Lock not included)	SB® 350amp	Red
<b>Key Kits</b>			<b>Description</b>
	SY1105	SB® 50amp	Can be mounted to prevent charger to SCR panel connector halves from engaging while still allowing battery and truck connector halves to engage
	SY1120	SB® 175, 350amp	
	111197	SB® 175amp	
	111197G1	SB® 350amp	
	SY6337G1	SBE®, SBX®	Charger Key Kit
	SY6344	SBE®, SBX®	Auxiliary Contact Key Kit
<b>SY® Fusion Contact Tips</b>			
	SY121105	175amp 2awg	Pre-loaded with flux and solder, ready-to-use, just add heat
	SY121107	175amp 1/0	
	SY121108	350amp 2/0	Especially good in presence of destructive vibration or corrosive chemicals
	SY121109	350amp 3/0	
	SY121110	350amp 4/0	
<b>Connector Tip Extraction Tools</b>			
	969P1	SBX® 175	
	970P1	SBX® 350	
	SY1016	For 160-350a Flat wipe	
<b>Reducer Bushings</b>			
	SY5910	50amp 6 to 10 & 12awg	
	SY5687	175amp 1/0 - 1awg	
	SY5690	175amp 1/0 - 2awg	
	SY5693	175amp 1/0 - 4awg	
	SY5918	350amp 2/0 - 1/0	
<b>Lock Box</b>			
	SYSB-LOCKBOX	SBE® 160/320amp SBE® 175/350amp Euro/Din	

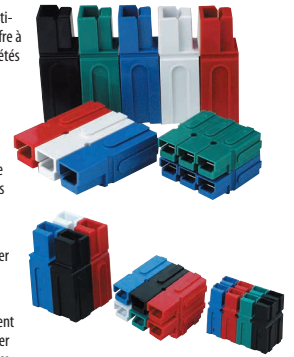
# Connectors Conectores Connecteurs

## SP® Single Pole Connector

- Single piece housings of impact resistant polycarbonate offer both high physical strength and superior dielectric properties
- Silver plated solid copper contacts offer low resistance for superior conductivity
- Self cleaning contact design resists arcing by keeping conductive surfaces clean and free of corrosion
- Contacts have flared and heat treated barrels that readily accept fine stranded wire and allow easy, quality crimping
- Integral stainless steel springs maintain constant pressure on the contact to insure a consistent, low resistance connection
- Interchangeable, genderless design
- Allows custom multi-pole configurations

- Cada uno de los alojamientos, hechos con policarbonato resistente al impacto, ofrece alta resistencia física y excelentes propiedades eléctricas
- Los contactos de cobre macizo plateados ofrecen baja resistencia para una conductividad superior
- El diseño de autolimpieza de los contactos resiste la formación de arco manteniendo las superficies conductoras limpias y libres de corrosión
- Los contactos tienen barriles tratados térmicamente que aceptan con facilidad alambre trenzado fino y permite un engarce fácil y de calidad
- Los resortes totalmente en acero inoxidable mantienen una presión constante sobre el contacto para asegurar una conexión constante de baja resistencia
- Diseño sin género, intercambiable
- Permite configuraciones multipolares personalizadas

- Les logements sont fabriqués d'une seule pièce constituée de polycarbonate résistant aux chocs, ce qui offre à la fois une grande résistance physique et des propriétés diélectriques renforcées
- Les contacts en cuivre massif plaqués argent offrent une faible résistance permettant une conductivité supérieure
- La conception autonettoyante des contacts empêche les décharges disruptives en maintenant les surfaces conductrices propres et exemptes de corrosion
- Les contacts disposent de fûts à sertir évasés ayant subi un traitement thermique ce qui permet d'y loger des fils fins à âme multibrin et facilite un sertissage de qualité
- Des ressorts en acier inoxydable intégrés maintiennent une pression permanente sur le contact afin d'assurer une connexion constante offrant une faible résistance
- Conception interchangeable, permettant l'utilisation de prises mâle ou femelle
- Permettent des configurations multipôles sur mesure



	Color	Assembly	Contact	Housing
<b>15amp</b>				
16-20ga	Red	SP1395	1332-BK	1327-BK
16-20ga	Green	SP1395G3	1332-BK	1327G5-BK
16-20ga	Black	SP1395G1	1332-BK	1327G6-BK
16-20ga	White	SP1395G2	1332-BK	1327G7-BK
16-20ga	Blue	SP1395G4	1332-BK	1327G8-BK
<b>30amp</b>				
12-16ga	Red	SP1330	1331-BK	1327-BK
12-16ga	Green	SP1330G2	1331-BK	1327G5-BK
12-16ga	Black	SP1330G4	1331-BK	1327G6-BK
12-16ga	White	SP1330G5	1331-BK	1327G7-BK
12-16ga	Blue	SP1330G12	1331-BK	1327G8-BK
<b>75amp</b>				
6ga	Blue	SP1300	5900-BK	5916-BK
8ga	Blue	SP1300-8	5952-BK	5916-BK
10-12ga	Blue	SP1300-10	5915-BK	5916-BK
6ga	Black	SP1300G4	5900-BK	5916G4-BK
8ga	Black	SP1300G4-8	5952-BK	5916G4-BK
10-12ga	Black	SP1300G4-10	5915-BK	5916G4-BK
6ga	White	SP1300G5	5900-BK	5916G5-BK
8ga	White	SP1300G5-8	5952-BK	5916G5-BK
10-12ga	White	SP1300G5-10	5915-BK	5916G5-BK
6ga	Red	SP1300G3	5900-BK	5916G7-BK
8ga	Red	SP1300G3-8	5952-BK	5916G7-BK
10-12ga	Red	SP1300G3-10	5915-BK	5916G7-BK
6ga	Green	SP1300G2	5900-BK	5916G6-BK
8ga	Green	SP1300G2-8	5952-BK	5916G6-BK
10-12ga	Green	SP1300G2-10	5915-BK	5916G6-BK
<b>120amp</b>				
2ga	Blue	SP1320	1319-BK	1321-BK
4ga	Blue	SP1320-4	1319G4-BK	1321-BK
6ga	Blue	SP1320-6	1319G6-BK	1321-BK
2ga	Black	SP1320G1	1319-BK	1321G1-BK

	Color	Assembly	Contact	Housing
4ga	Black	SP1320G1-4	1319G4-BK	1321G1-BK
6ga	Black	SP1320G1-6	1319G6-BK	1321G1-BK
2ga	White	SP1320G2	1319-BK	1321G2-BK
4ga	White	SP1320G2-4	1319G4-BK	1321G2-BK
6ga	White	SP1320G2-6	1319G6-BK	1321G2-BK
2ga	Red	SP1320G3	1319-BK	1321G3-BK
4ga	Red	SP1320G3-4	1319G4-BK	1321G3-BK
6ga	Red	SP1320G3-6	1319G6-BK	1321G3-BK
2ga	Green	SP1320G4	1319-BK	1321G4-BK
4ga	Green	SP1320G4-4	1319G4-BK	1321G4-BK
6ga	Green	SP1320G4-6	1319G6-BK	1321G4-BK
<b>180amp</b>				
1/0	Blue	SP1380	1382-BK	1381-BK
1ga	Blue	SP1380-1	1347-BK	1381-BK
2ga	Blue	SP1380-2	1383-BK	1381-BK
4ga	Blue	SP1380-4	1384-BK	1381-BK
1/0	Black	SP1380G1	1382-BK	1381G1-BK
1ga	Black	SP1380G1-1	1347-BK	1381G1-BK
2ga	Black	SP1380G1-2	1383-BK	1381G1-BK
4ga	Black	SP1380G1-4	1384-BK	1381G1-BK
1/0	White	SP1380G2	1382-BK	1381G2-BK
1ga	White	SP1380G2-1	1347-BK	1381G2-BK
2ga	White	SP1380G2-2	1383-BK	1381G2-BK
4ga	White	SP1380G2-4	1384-BK	1381G2-BK
1/0	Red	SP1380G3	1382-BK	1381G3-BK
1ga	Red	SP1380G3-1	1347-BK	1381G3-BK
2ga	Red	SP1380G3-2	1383-BK	1381G3-BK
4ga	Red	SP1380G3-4	1384-BK	1381G3-BK
1/0	Green	SP1380G4	1382-BK	1381G4-BK
1ga	Green	SP1380G4-1	1347-BK	1381G4-BK
2ga	Green	SP1380G4-2	1383-BK	1381G4-BK
4ga	Green	SP1380G4-4	1384-BK	1381G4-BK

# Connectors Conectores Connecteurs

Accessories for SP® Connectors  
Connectors not included

Accesorios para Conectores SP®  
Los conectores no están incluidos

Accessoires pour les connecteurs SP®  
Les connecteurs ne sont pas inclus

- POWERPak® housings offer high impact and corrosion-resistant black nylon outer
- Easy connection and disconnection of electrical equipment in commercial and industrial applications
- Cable clamps and integral latches prevent accidental disconnection of your equipment
- Accommodates 2 - 8awg, 20amp maximum circuits
- For 15/30amp Powerpole® housings

- Los alojamientos POWERPak®, ofrecen un nylon exterior de color negro con una alta resistencia al impacto y a la corrosión
- Fácil conexión y desconexión de los aparatos eléctricos en aplicaciones comerciales e industriales
- Las abrazaderas de los cables y los pestillos integrales evitan la desconexión accidental del equipo
- Con capacidad de 2 - 8awg, 20amp circuitos como máximo
- Para carcasas Powerpole® de 15/30amp

- Les logements POWERPak® présentent des sorties protégées par un nylon noir offrant une grande résistance aux chocs et les protégeant de la corrosion.
- Ils permettent des connexions et déconnexions faciles des équipements électriques aussi bien pour des applications commerciales qu'industrielles.
- Les dispositifs de fixation et de verrouillage intégrés des câbles empêchent les déconnexions accidentelles de votre équipement.
- Permettent l'utilisation de circuits de 2 à 8 awg, et de 20 ampères maximum.
- Pour les logements Powerpole® de 15/30 ampères.


POWERPak® Housings	Description	Image	
2-4 Pole 	SY1460G1	Housing for plug w/ latch	First
	SY1461G1	Housing for plug w/o latch	Second
	SY1470G1	Receptacle for plug	Third
	SY115G1	Hardware kit for plug	Fourth
6 Pole 	SY1460G2	Housing for plug w/ latch	First
	SY1461G2	Housing for plug w/o latch	Second
	SY1470G2	Receptacle for plug	Third
	SY115G2	Hardware kit for plug	Fourth
8 Pole 	SY1460G3	Housing for plug w/ latch	First
	SY1461G3	Housing for plug w/o latch	Second
	SY1470G3	Receptacle for plug	Third
	SY115G3	Hardware kit for plug	Fourth


Recognized under the component program of Underwriters Laboratories, Inc.


Reconocidos por el programa de componentes de Underwriters Laboratories, Inc.


Reconnus dans le cadre du programme de l'Underwriters Laboratories, Inc.

# Connectors Conectores Connecteurs

EC® Locking Half	Part #	Description
	5810B	2/0 Steel
	5821B	4/0 Steel

EC® Insulation Assembly	Part #	Description
	951	2/0 - 4/0 Contact Holder

EC® Mounting Half	Part #	Description
	5816B	2/0 Steel

EC® Power Contact Assembly	Part #	Description
	953	2/0
	954	4/0

EC® Charging Half	Part #	Description
	5804B	2/0 Steel


EC® Auxiliary Contact Assembly	Part #	Description
	SY955	

YC® Receptacle Truck Half	Part #	Description
	7205G1	1/0 Phenolic truck half kit
	7205	2/0 Phenolic truck half kit
	956	Standard housing
	SY958	2/0 Standard contact kit
	SY961	Auxiliary contact kit

Part #	Description
7205G1	1/0 Phenolic truck half kit
7205	2/0 Phenolic truck half kit
956	Standard housing
SY958	2/0 Standard contact kit
SY961	Auxiliary contact kit

YC® Aluminum Plug Battery Half	Part #	Description
	7204G1	1/0 Aluminum battery half kit
	7204	2/0 Aluminum battery half kit
	964	2/0 Standard contact kit
	SY967	Auxiliary contact kit

Part #	Description
7204G1	1/0 Aluminum battery half kit
7204	2/0 Aluminum battery half kit
964	2/0 Standard contact kit
SY967	Auxiliary contact kit

YC® Polycarbonate Plug Battery Half	Part #	Description
	SYL7204	2/0 Polycarbonate battery half kit
	SY964G1	2/0 Standard contact kit
	SYL963	Standard housing

Part #	Description
SYL7204	2/0 Polycarbonate battery half kit
SY964G1	2/0 Standard contact kit
SYL963	Standard housing

# Connectors Conectores Connecteurs

## EBC/DIN Selection Guide

This guide covers the EBC/DIN connectors most commonly found in the North American market.

Note: Many other EBC/DIN connector options exist, primarily for applications in markets outside North America. Please contact your sales representative or customer service for availability.

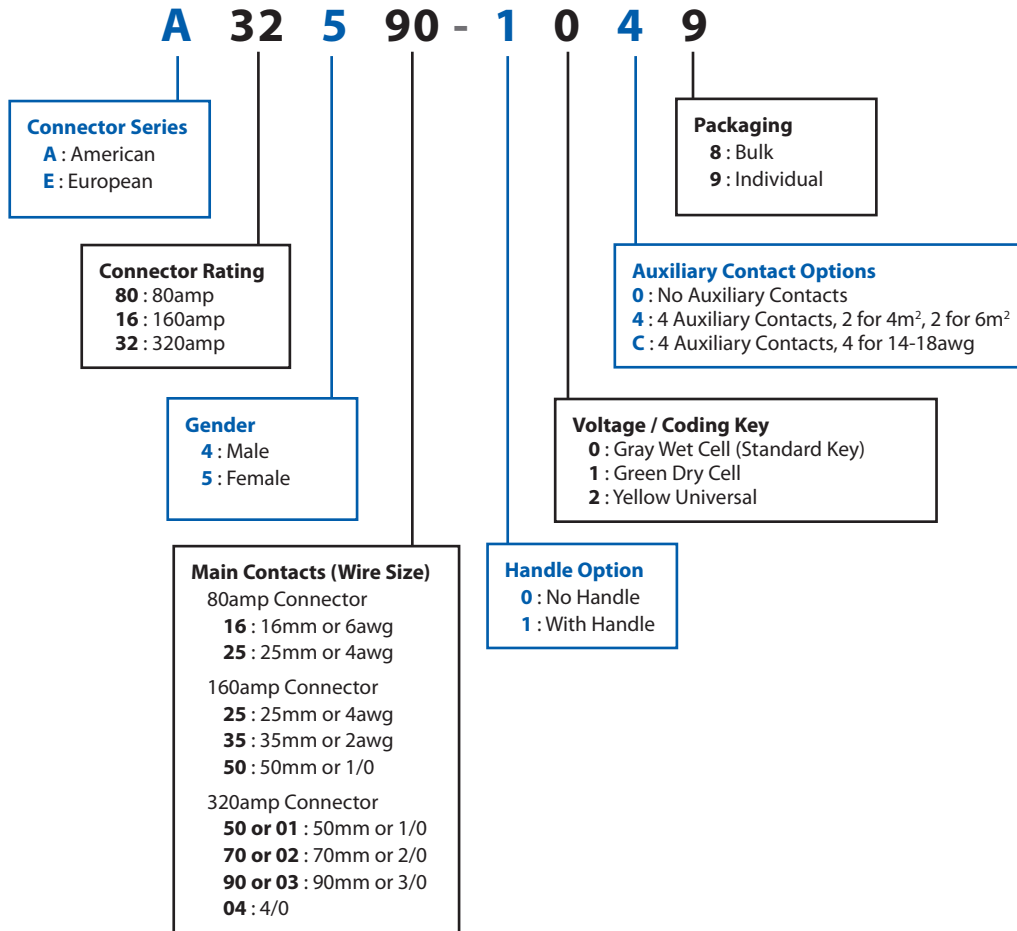
Este guía abarca los conectores EBC/DIN más comunes en el mercado de América del Norte.

Nota: Existen muchas otras opciones de conectores EBC/DIN, principalmente para aplicaciones en los mercados fuera de Norteamérica. Póngase en contacto con su representante de ventas o servicio al cliente para su disponibilidad.

Ce guide porte sur les connecteurs EBC/DIN qui sont le plus fréquemment rencontrés sur le marché nord-américain.

Note : Beaucoup d'autres options liées aux connecteurs EBC/DIN existent, principalement pour des applications existant sur des marchés situés en dehors de l'Amérique du Nord. Nous vous invitons à contacter votre représentant ou service clientèle afin de vous renseigner sur leur disponibilité.


### Example Part # :



# Connectors Conectores Connecteurs

## DIN/Euro Conversion Chart

Contact Size	Suggested Wire Size
16mm <sup>2</sup>	6ga
25mm <sup>2</sup>	4ga
35mm <sup>2</sup>	2ga
50mm <sup>2</sup>	1/0
70mm <sup>2</sup>	2/0
95mm <sup>2</sup>	3/0

EBC/DIN Female	Part #	Description
80amp	A80525-0009	25mm
	A80525-1009	25mm w/ Handle

160amp	A16550-1049	50mm w/ Handle & 4 Auxiliary Tips
	A16550-0049	50mm w/ 4 Auxiliary Tips

320amp	A32550-1009	50mm w/ Handle
	A32570-0009	70mm
	A32595-0049	95mm w/ 4 Auxiliary Tips
	A32504-00C9	4/0 w/ 4 Auxiliary Tips

EBC/DIN Male	Part #	Description
80amp	A80425-0009	25mm
	A80425-1009	25mm w/ Handle

160amp	A16450-0009	50mm
	A16450-1049	50mm w/ Handle & 4 Auxiliary Tips

320amp	A32450-1009	50mm w/ Handle
	A32470-1009	70mm w/ Handle
	A32495-1049	95mm w/ Handle & 4 Auxiliary Tips
	A32404-10C9	4/0 w/ Handle & 4 Auxiliary Tips

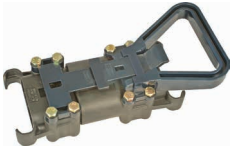










# Connectors Conectores Connecteurs

Accessories for EBC/DIN Connectors  
Connectors not included

Accesorios para Conectores EBC/DIN  
Los conectores no están incluidos

Accessoires pour les connecteurs EBC/DIN.  
Les connecteurs ne sont pas inclus.

Din Latch	Part #	Description
	A320H	EBC A frame handle without hardware
	A320HL	EBC A frame handle and latch assembly without hardware
	A320LP	EBC Latch plate without hardware
Add -MK to the part number to include hardware		
Manual Release		
	993G4	EBC 320amp Battery bracket
	994G4	EBC 320amp Charger/truck bracket & handle
Handles		
	320-8	DIN Handle, No screws, 160/320amp
	32-89	DIN Handle Kit, 160/320amp
	E165-89	DIN Handle, Low Profile, 160/320amp
	180-89	DIN Handle, 80amp
	SY160-88S	DIN Handle, Metal, Red, 320amp
	SY994G4HD	DIN Handle, Locking, Heavy Duty
		
Main Contact Tips		
Male		
	320-1004	DIN 320amp 4/0 pin
	320-1050	DIN 320amp 50mm or 1/0 pin
	320-1070	DIN 320amp 70mm or 2/0 pin
	320-1095	DIN 320amp 95mm or 3/0 pin
Female		
	320-1104	DIN 320amp 4/0 socket
	320-1150	DIN 320amp 50mm or 1/0 socket
	320-1170	DIN 320amp 70mm or 2/0 socket
	320-1170	DIN 320amp 70mm or 2/0 socket
Auxillary Contact Tips		
Male		
	160-12	DIN 160/320amp 6mm Auxiliary pin, Lower
	160-14	DIN 160/320amp 4mm Auxiliary pin, Upper
	320-22	DIN 320amp 14-18awg Auxiliary pin, Lower
	320-24	DIN 320amp 14-18awg Auxiliary pin, Upper
Female		
	160-13	DIN 160/320amp 6mm Auxiliary socket, Lower
	160-15	DIN 160/320amp 4mm Auxiliary socket, Upper
	320-23	DIN 320amp 14-18awg Auxiliary socket, Lower
	320-25	DIN 320amp 14-18awg Auxiliary socket, Upper

# Nylon Insulated Terminals Terminales de Nylon Aislados Bornes Isolées en Nylon

- -55°C to 105°C
- 600v
- UL rated
- Tin-plated brass support sleeve
- Sold in 100-piece packages, or in bulk

- -55°C to 105°C
- 600v
- Clasificación UL
- Manga de soporte con soldadura de cobre
- Se venden en paquetes de 100 piezas, o se venden a granel

- -55°C to 105°C
- 600v
- UL rated
- Manchon de support en laiton étamé.
- Vendus par paquets de 100, ou vendus en vrac

## Ring Terminals



Part #	Gauge	Color	Stud Size
SYNR184	22-18	Red	2-4
SYNR186	22-18	Red	4-6
SYNR188	22-18	Red	6-8
SYNR1810	22-18	Red	8-10
SYNR1814	22-18	Red	12-1/4
SYNR1856	22-18	Red	1/4-5/16
SYNR1838	22-18	Red	5/16-3/8
SYNR18MS	22-18	Red	4-10
SYNR144	16-14	Blue	2-4
SYNR146	16-14	Blue	4-6
SYNR148	16-14	Blue	6-8
SYNR1410	16-14	Blue	8-10
SYNR1414	16-14	Blue	12-1/4
SYNR1456	16-14	Blue	1/4-5/16
SYNR1438	16-14	Blue	5/16-3/8
SYNR128	10-12	Yellow	6-8
SYNR1282	10-12	Yellow	6-8
SYNR1210	10-12	Yellow	8-10
SYNR1214	10-12	Yellow	12-1/4
SYNR1256	10-12	Yellow	1/4-5/16
SYNR1256	10-12	Yellow	1/4-5/16
SYNR1238	10-12	Yellow	5/16-3/8
SYNR1276	10-12	Yellow	3/8-7/16
SYNR1212	10-12	Yellow	7/16-1/2
SYNR106	12-10	Yellow	4-6
SYNR1062	12-10	Yellow	4-6
SYNR108	12-10	Yellow	6-8
SYNR1082	12-10	Yellow	6-8
SYNR1010	12-10	Yellow	8-10
SYNR1014	12-10	Yellow	12-1/4
SYNR1056	12-10	Yellow	1/4-5/16
SYNR1038	12-10	Yellow	5/16-3/8
SYNR1076	12-10	Yellow	3/8-7/16

Part #	Gauge	Color	Stud Size
SYNR810*	8	Red	8-10
SYNR814*	8	Red	12-1/4
SYNR856*	8	Red	1/4-5/16
SYNR838*	8	Red	5/16-3/8
SYNR876*	8	Red	3/8-7/16
SYNR812*	8	Red	7/16-1/2
SYNR858*	8	Red	1/2-5/8
SYNR838*	8	Red	3/8
SYNR610*	6	Blue	8-10
SYNR614*	6	Blue	12-1/4
SYNR656*	6	Blue	1/4-5/16
SYNR638*	6	Blue	5/16-3/8
SYNR676*	6	Blue	3/8-7/16
SYNR634*	6	Blue	5/8-3/4
SYNR414*	4	Yellow	12-1/4
SYNR456*	4	Yellow	1/4-5/16
SYNR438*	4	Yellow	5/16-3/8
SYNR476*	4	Yellow	3/8-7/16
SYNR412*	4	Yellow	7/16-1/2
SYNR214*	2	Red	12-1/4
SYNR256*	2	Red	1/4-5/16
SYNR238*	2	Red	5/16-3/8
SYNR276*	2	Red	3/8-7/16

\* Sold in bulk

# Nylon Insulated Terminals Terminales de Nylon Insuladas Bornes Isolées en Nylon

## Star Ring Terminals



Part #	Gauge	Color	Stud Size
SYNSR186	22-18	Red	4-6
SYNSR188	22-18	Red	6-8
SYNSR1810	22-18	Red	8-10
SYNSR146	16-14	Blue	4-6
SYNSR148	16-14	Blue	6-8
SYNSR1410	16-14	Blue	8-10

## Block Spade Terminals



Part #	Gauge	Color	Stud Size
SYNSB186	22-18	Red	4-6
SYNSB188	22-18	Red	6-8
SYNSB1810	22-18	Red	8-10
SYNSB146	16-14	Blue	4-6
SYNSB148	16-14	Blue	6-8
SYNB1410	16-14	Blue	8-10
SYNSB106	12-10	Yellow	4-6
SYNSB108	12-10	Yellow	6-8
SYNSB1010	12-10	Yellow	8-10

## Flanged Spade Terminals



Part #	Gauge	Color	Stud Size
SYNSF186	22-18	Red	4-6
SYNSF1810	22-18	Red	8-10
SYNF146	16-14	Blue	4-6
SYNF148	16-14	Blue	6-8
SYNSF108	12-10	Yellow	6-8
SYNSF1010	12-10	Yellow	8-10

## Snap Spade Short Tongue



Part #	Gauge	Color	Stud Size
SYNSS186	22-18	Red	4-6
SYNSS188	22-18	Red	6-8
SYNSS1810	22-18	Red	8-10
SYNSS146	16-14	Blue	4-6
SYNSS148	16-14	Blue	6-8
SYNSS1410	16-14	Blue	8-10
SYNSS106	12-10	Yellow	4-6
SYNSS108	12-10	Yellow	6-8

## Hook Terminal



Part #	Gauge	Color	Stud Size
SYNH186	22-18	Red	4-6
SYNH1810	22-18	Red	8-10
SYNH146	16-14	Blue	4-6
SYNH148	16-14	Blue	6-8
SYNH1410	16-14	Blue	8-10
SYNH106	12-10	Yellow	4-6
SYNH108	12-10	Yellow	6-8
SYNH1010	12-10	Yellow	8-10

## Butt Splices



Part #	Gauge	Color	Note
SYNB18S	22-18	Red	Short
SYNB18	22-18	Red	
SYNBW18	22-18	Red	
SYNB14S	16-14	Blue	Short
SYNB14	16-14	Blue	
SYNBW14	16-14	Blue	
SYNB10S	12-10	Yellow	
SYNB10S	12-10	Yellow	
SYNBW10	12-10	Yellow	
SYNB8	8	Red	
SYNB6	6	Blue	
SYNB4	4	Yellow	
SYNB2	2	Red	

## Snap Plugs



Part #	Gauge	Color	Dia
SYNM18157	22-18	Red	.157
SYNM18176	22-18	Red	.176
SYNM14157	16-14	Blue	.157
SYNM14176	16-14	Blue	.176

## Snap Plug Receptacles



Part #	Gauge	Color	Dia
SYNF18157	22-18	Red	.157
SYNF18176	22-18	Red	.176
SYNF14157	16-14	Blue	.157
SYNF14176	16-14	Blue	.176

# Nylon Insulated Terminals Terminales de Nylon Insuladas Bornes Isolées en Nylon

## Flag Disconnect



Part #	Gauge	Color	Tab Size
SYFLAG18N	22-18	Red	.250 x .032
SYFLAG14N	16-14	Blue	.250 x .033
SYFLAG10N	12-10	Yellow	NA

## Piggy Back Quick Disconnect



Part #	Gauge	Color	Tab Size	Insulation
SYNST18250	22-18	Red	.250 x .033	Barrel
SYNSTFI18250	22-18	Red	.250 x .034	Full
SYNST14250	16-14	Blue	.250 x .035	Barrel
SYNSTFI14250	16-14	Blue	.250 x .036	Full
SYNSTFI10250	12-10	Yellow	.250 x .037	Full

## Wire Pin



Part #	Gauge	Color
SYWP5218	22-18	Red
SYWP5614	16-14	Blue
SYWP5210	12-10	Yellow

## Tri Terminal



Part #	Gauge	Color
SYNY18	22-18	Red
SYNY10	12-10	Yellow

## Quad Terminal



Part #	Gauge	Color
SYNX18	22-18	Red
SYNX14	16-14	Blue
SYNX10	12-10	Yellow

## Female Quick Disconnect



Part #	Gauge	Color	Tab Size	Insulation
SYNQSF18110	22-18	Red	.110 x .020	Barrel
SYNQSFF18110	22-18	Red	.110 x .020	Full
SYNQSF18187	22-18	Red	.187 x .020	Barrel
SYNQSFF18187	22-18	Red	.187 x .020	Full
SYNQSF18250	22-18	Red	.250 x .032	Barrel
SYNQSFF18250	22-18	Red	.250 x .032	Full
SYNQSF14110	16-14	Blue	.110 x .020	Barrel
SYNQSFF14110	16-14	Blue	.110 x .020	Full
SYNQSF14187	16-14	Blue	.187 x .020	Barrel
SYNQSFF14187	16-14	Blue	.187 x .020	Full
SYNQSF14250	16-14	Blue	.250 x .032	Barrel
SYNQSFF14250	16-14	Blue	.250 x .032	Full
SYNQSF10250	12-10	Yellow	.250 x .032	Barrel
SYNQSFF10250	12-10	Yellow	.250 x .032	Full
SYNQSF10375	12-10	Yellow	.187 x .020	Barrel

## Male Quick Disconnect



Part #	Gauge	Color	Tab Size	Insulation
SYNQSM18187	22-18	Red	.187 x .020	Barrel
SYNQSMF118187	22-18	Red	.187 x .020	Full
SYNQSM18250	22-18	Red	.250 x .032	Barrel
SYNQSMF118250	22-18	Red	.250 x .032	Full
SYNQSM14187	16-14	Blue	.187 x .020	Barrel
SYNQSMF114187	16-14	Blue	.187 x .020	Full
SYNQSM14250	16-14	Blue	.250 x .032	Barrel
SYNQSMF114250	16-14	Blue	.250 x .032	Full
SYNQSM10250	12-10	Yellow	.250 x .032	Barrel
SYNQSMF110250	12-10	Yellow	.250 x .032	Full

# Heat Sealable Nylon Terminals

## Terminales de Nylon Termosellables Bornes Thermoscellables en Nylon

- -55°C to 125°C
- UL rated
- Sold in 100 piece packages

- -55°C to 125°C
- UL rated
- Se venden en paquetes de 100 piezas

- -55°C to 125°C
- UL rated
- Vendus par paquets de 100

### Ring Terminals



Part #	Gauge	Color	Stud Size
SYSA22106	22-18	Red	#6
SYSA22108	22-18	Red	#8
SYSA22110	22-18	Red	#10
SYSB23706	16-14	Blue	#6
SYSB23708	16-14	Blue	#8
SYSB23910	16-14	Blue	#10
SYSB22514	16-14	Blue	1/4
SYSB22556	16-14	Blue	5/16
SYSB21838	16-14	Blue	3/8
SY560172-100	16-14	Blue	#10
SY560173-100	16-14	Blue	1/4
SY560174-100	16-14	Blue	3/8
SYSC22806	10-12	Yellow	#6
SYSC22810	10-12	Yellow	#10
SYSC23014	10-12	Yellow	1/4
SYSC23056	10-12	Yellow	5/16
SYSC24038	10-12	Yellow	3/8
SY560175-100	10-12	Yellow	#10
SY560176-100	10-12	Yellow	3/8
SYSD810	8	Orange	#10
SYSD814	8	Orange	1/4

### Spade Terminals



Part #	Gauge	Color	Stud Size
SYSA23508	22-18	Red	#8
SYSA23510	22-18	Red	#10
SYSB22708	16-14	Blue	#8
SYSB22710	16-14	Blue	#10
SYSC24106	12-10	Yellow	#6
SY560179-100	16-14	Blue	#10
SY560180-100	12-10	Yellow	#10

### Hook Terminals



Part #	Gauge	Color	Stud Size
SYSB21910	16-14	Blue	#10

### Snap Plugs



Part #	Gauge	Color	Dia
SYSB289	16-14	Blue	.157
SYSB279	16-14	Blue	.180

### Snap Plug Receptacles

Part #	Gauge	Color	Dia
SYSBRB8156N	16-14	Blue	.157
SYSBRB8180N	16-14	Blue	.180

### Butt Splices



Part #	Gauge	Color
SYSAA2218	22-18	Red
SYSBB1614	16-14	Blue
SYSC1210	12-10	Yellow
SYSD8	8	Orange
SYSSC2218	22-18	Red
SYSSC1614	16-14	Blue
SYSBA631	16-14 / 22-18	Blue
SYSCB646	12-10 / 16-14	Yellow
SY560177-100	16-14	Blue
SY560178-100	12-10	Yellow

### Male Quick Disconnects



Part #	Gauge	Color	Tab Size	Insulation
SYSAA9260	22-18	Red	.250 x .032	Full
SYSBB9262	16-14	Blue	.250 x .032	Full
SYSC9280	12-10	Yellow	.250 x .032	Full
SY560182-100	16-14	Blue		

### Female Quick Disconnects



Part #	Gauge	Color	Tab Size	Insulation
SYSAA9261	22-18	Red	.250 x .032	Full
SYSBB2141	16-14	Blue	.250 x .032	Barrel
SYSBB9263	16-14	Blue	.250 x .032	Full
SYSC9281	12-10	Yellow	.250 x .032	Full
SY560181-100	16-14	Blue		

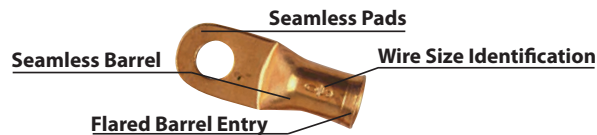
# Terminal Lugs Terminales Cosses pour Bornes

- UL listed, CSA Certified
- Flared barrel entry for easy wire insertion
- Made of CDA-110 copper offering 100% conductivity

- UL listed, CSA Certified
- Entrada en forma de barril ensanchado para fácil inserción del alambre
- Fabricado en cobre CDA-110 que ofrece 100% de conductividad

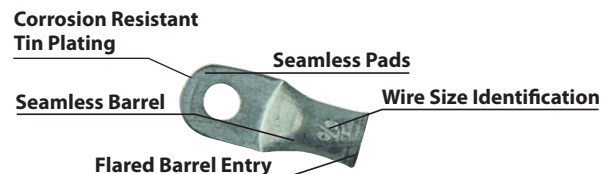
- UL listed, CSA Certified
- Fûts à sertir présentant un orifice évasé pour faciliter l'insertion des fils
- Fabriqués en cuivre certifié CDA-110 et offrant une conductivité à 100 %

## Eyelet Style Copper Lugs



Part #	Gauge	Stud Size	Part #	Gauge	Stud Size	Part #	Gauge	Stud Size
SYBCL810	8	#10	SYBCL4516	4	5/16	SYBCL10516	1/0	5/16
SYBCL814	8	1/4	SYBCL438	4	3/8	SYBCL1038	1/0	3/8
SYBCL8516	8	5/16	SYBCL412	4	1/2	SYBCL1012	1/0	1/2
SYBCL838	8	3/8	SYBCL214-BULK	2	1/4	SYBCL2014	2/0	1/4
SYBCL812	8	1/2	SYBCL2516	2	5/16	SYBCL20516	2/0	5/16
SYBCL610	6	#10	SYBCL238	2	3/8	SYBCL2038	2/0	3/8
SYBCL614	6	1/4	SYBCL212	2	1/2	SYBCL2012	2/0	1/2
SYBCL6516	6	5/16	SYBCL114	1	1/4	SYBCL3014	3/0	1/4
SYBCL638	6	3/8	SYBCL1516	1	5/16	SYBCL3038	3/0	3/8
SYBCL612	6	1/2	SYBCL138	1	3/8	SYBCL40516	4/0	5/16
SYBCL410	4	#10	SYBCL112	1	1/2	SYBCL4038	4/0	3/8
SYBCL414	4	1/4	SYBCL1014	1/0	1/4	SYBCL4012	4/0	1/2

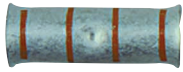
## Eyelet Style Tin-Plated Copper Lugs



Part #	Gauge	Stud Size	Part #	Gauge	Stud Size	Part #	Gauge	Stud Size
SYBCL810PL	8	#10	SYBCL438PL	4	3/8	SYBCL1012PL	1/0	1/2
SYBCL814PL	8	1/4	SYBCL412PL	4	1/2	SYBCL2014PL	2/0	1/4
SYBCL8516PL	8	5/16	SYBCL214PL	2	1/4	SYBCL20516PL	2/0	5/16
SYBCL838PL	8	3/8	SYBCL2516PL	2	5/16	SYBCL2038PL	2/0	3/8
SYBCL812PL	8	1/2	SYBCL238PL	2	3/8	SYBCL2012PL	2/0	1/2
SYBCL610PL	6	#10	SYBCL212PL	2	1/2	SYBCL3014PL	3/0	1/4
SYBCL614PL	6	1/4	SYBCL114PL	1	1/4	SYBCL30516PL	3/0	5/16
SYBCL6516PL	6	5/16	SYBCL1516PL	1	5/16	SYBCL3038PL	3/0	3/8
SYBCL638PL	6	3/8	SYBCL138PL	1	3/8	SYBCL3012PL	3/0	1/2
SYBCL612PL	6	1/2	SYBCL112PL	1	1/2	SYBCL4014PL	4/0	1/4
SYBCL410PL	4	#10	SYBCL1014PL-BULK	1/0	1/4	SYBCL40516PL	4/0	5/16
SYBCL414PL-BULK	4	1/4	SYBCL10516PL	1/0	5/16	SYBCL4038PL	4/0	3/8
SYBCL4516PL	4	5/16	SYBCL1038PL	1/0	3/8	SYBCL4012PL	4/0	1/2

# Terminal Lugs Terminales Cosses pour Bornes

## Eyelet Style Copper Lugs



Part #	Gauge	Part #	Gauge	Part #	Gauge
SYBCL8CC	8	SYBCL4CC	4	SYBCL1CC	1
SYBCL6CC	6	SYBCL2CC	2		

## Ground Lugs



Part #	Gauge	Stud Size	Part #	Gauge	Stud Size	Part #	Gauge	Stud Size
SY6408-050D	8	1/4" 6mm	SY6401-050D	1 & 2	1/4" 6mm	SY6420-050F	2/0	3/8" 10mm
SY6408-050E	8	5/16" 8mm	SY6401-050E	1 & 2	5/16" 8mm	SY6420-050H	2/0	1/2" 13mm
SY6408-050F	8	3/8" 10mm	SY6401-050F	1 & 2	3/8" 10mm	SY6430-050D	3/0	1/4" 6mm
SY6406-050D	6	1/4" 6mm	SY6401-050H	1 & 2	1/2" 13mm	SY6430-050E	3/0	5/16" 8mm
SY6406-050E	6	5/16" 8mm	SY6410-050D	1/0	1/4" 6mm	SY6430-050F	3/0	3/8" 10mm
SY6406-050F	6	3/8" 10mm	SY6410-050E	1/0	5/16" 8mm	SY6430-050H	3/0	1/2" 13mm
SY6404-050D	4	1/4" 6mm	SY6410-050F	1/0	3/8" 10mm	SY6440-050E	4/0	5/16" 8mm
SY6404-050E	4	5/16" 8mm	SY6410-050H	1/0	1/2" 13mm	SY6440-050F	4/0	3/8" 10mm
SY6404-050F	4	3/8" 10mm	SY6420-050D	2/0	1/4" 6mm	SY6440-050H	4/0	1/2" 13mm
SY6404-050H	4	1/2" 13mm	SY6420-050E	2/0	5/16" 8mm			

## 45° Angled Lugs



Part #	Gauge	Stud Size
SY6408-050FV	8	3/8" 10mm
SY6406-050FV	6	3/8" 10mm
SY6404-050FV	4	3/8" 10mm
SY6404-050HV	4	1/2" 13mm
SY6401-050FV	1 & 2	3/8" 10mm
SY6401-050HV	1 & 2	1/2" 13mm
SY6410-050FV	1/0	3/8" 10mm
SY6410-050HV	1/0	1/2" 13mm
SY6420-050FV	2/0	3/8" 10mm
SY6420-050HV	2/0	1/2" 13mm
SY6430-050FV	3/0	3/8" 10mm
SY6430-050HV	3/0	1/2" 13mm
SY6440-050FV	4/0	3/8" 10mm
SY6440-050HV	4/0	1/2" 13mm

## 90° Lugs



Part #	Gauge	Stud Size
SY6408-050FL	8	3/8" 10mm
SY6406-050FL	6	3/8" 10mm
SY6404-050FL	4	3/8" 10mm
SY6404-050HL	4	1/2" 13mm
SY6401-050FL	1 & 2	3/8" 10mm
SY6401-050HL	1 & 2	1/2" 13mm
SY6410-050FL	1/0	3/8" 10mm
SY6410-050HL	1/0	1/2" 13mm
SY6420-050FL	2/0	3/8" 10mm
SY6420-050HL	2/0	1/2" 13mm
SY6430-050FL	3/0	3/8" 10mm
SY6430-050HL	3/0	1/2" 13mm
SY6440-050FL	4/0	3/8" 10mm
SY6440-050HL	4/0	1/2" 13mm

# Terminal Lugs Terminales Cosses pour Bornes

## 3/8" (10mm) Elbows



Part #	Gauge	Stud Size	Side
SY6311-050F	1/0	3/8" 10 mm	Right
SY6312-050F	2/0	3/8" 10 mm	Right
SY6313-050F	3/0	3/8" 10 mm	Right
SY6314-050F	4/0	3/8" 10 mm	Right

Part #	Gauge	Stud Size	Side
SY6321-050F	1/0	3/8" 10 mm	Left
SY6322-050F	2/0	3/8" 10 mm	Left
SY6323-050F	3/0	3/8" 10 mm	Left
SY6324-050F	4/0	3/8" 10 mm	Left

## Butt Splice / Extra Long



Part #	Gauge
SY102455-050	4
SY102456-050	1 & 2
SY102457-050	1/0

Part #	Gauge
SY102458-050	2/0
SY102459-050	3/0
SY102460-050	4/0

## Dual Cable - Locking Non-Rotating Lug



Part #	Gauge	Stud Size
SY6510-050F	1/0	3/8" 10 mm
SY6520-050F	2/0	3/8" 10 mm

Part #	Gauge	Stud Size
SY6530-050F	3/0	3/8" 10 mm
SY6540-050F	4/0	3/8" 10 mm

## End Terminal - Locking Non-Rotating Lug



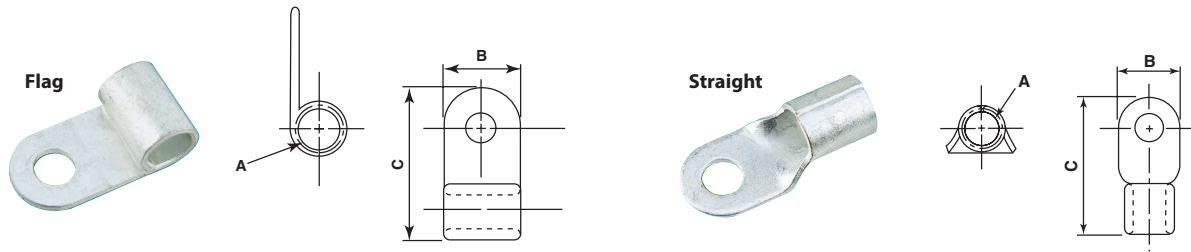
Part #	Gauge	Stud Size
SY102556-050	1 & 2	3/8" 10 mm
SY6210-050F	1/0	3/8" 10 mm
SY6220-050F	2/0	3/8" 10 mm

Part #	Gauge	Stud Size
SY6230-050F	3/0	3/8" 10 mm
SY6240-050F	4/0	3/8" 10 mm



# Terminal Lugs Terminales Cosses pour Bornes

## Flag & Straight Terminals



Part #	Gauge	Stud Size	Terminal Style	A: Diameter	B: Width	C: Length
SYT4012F	4/0	½" 13mm	Flag	0.63" 16mm	1.12" 28mm	2.12" 54mm
SYT4012S	4/0	½" 13mm	Straight	0.63" 16mm	1.12" 28mm	2.24" 57mm
SYT4038F	4/0	¾" 10mm	Flag	0.63" 16mm	1.12" 28mm	2.12" 54mm
SYT4038S	4/0	¾" 10mm	Straight	0.63" 16mm	1.12" 28mm	2.24" 57mm
SYT3012F	3/0	½" 13mm	Flag	0.55" 14mm	1.05" 27mm	2.02" 51mm
SYT3012S	3/0	½" 13mm	Straight	0.55" 14mm	1.05" 27mm	2.18" 55mm
SYT3038F	3/0	¾" 10mm	Flag	0.55" 14mm	1.05" 27mm	2.02" 51mm
SYT3038S	3/0	¾" 10mm	Straight	0.55" 14mm	1.05" 27mm	2.18" 55mm
SYT2012F	2/0	½" 13mm	Flag	0.51" 13mm	0.93" 24mm	1.85" 47mm
SYT2012S	2/0	½" 13mm	Straight	0.51" 13mm	0.93" 24mm	2.05" 53mm
SYT2038F	2/0	¾" 10mm	Flag	0.51" 13mm	0.93" 24mm	1.85" 47mm
SYT2038S	2/0	¾" 10mm	Straight	0.51" 13mm	0.93" 24mm	2.05" 52mm
SYT1038F	1/0	¾" 10mm	Flag	0.43" 11mm	0.87" 22mm	1.74" 44mm
SYT1038S	1/0	¾" 10mm	Straight	0.43" 11mm	0.82" 21mm	1.95" 50mm
SYT10516F	1/0	5/16" 8mm	Flag	0.43" 11mm	0.87" 22mm	1.74" 44mm
SYT10516S	1/0	5/16" 8mm	Straight	0.43" 11mm	0.82" 21mm	1.95" 50mm
SYT238F	2	¾" 10mm	Flag	0.36" 9mm	0.71" 18mm	1.43" 36mm
SYT238S	2	¾" 10mm	Straight	0.36" 9mm	0.63" 16mm	1.58" 40mm
SYT2516F	2	5/16" 8mm	Flag	0.36" 9mm	0.71" 18mm	1.43" 36mm
SYT2516S	2	5/16" 8mm	Straight	0.36" 9mm	0.63" 16mm	1.58" 40mm
SYT438F	4	¾" 10mm	Flag	0.29" 7mm	0.69" 18mm	1.34" 34mm
SYT438S	4	¾" 10mm	Straight	0.29" 7mm	0.67" 17mm	1.39" 35mm
SYT4516F	4	5/16" 8mm	Flag	0.29" 7mm	0.69" 18mm	1.34" 34mm
SYT4516S	4	5/16" 8mm	Straight	0.29" 7mm	0.67" 17mm	1.39" 35mm
SYT6516F	6	5/16" 8mm	Flag	0.24" 6mm	0.63" 16mm	1.19" 30mm
SYT6516S	6	5/16" 8mm	Straight	0.24" 6mm	0.64" 16mm	1.30" 33mm
SYT614F	6	¼" 6mm	Flag	0.24" 6mm	0.49" 12mm	0.99" 25mm
SYT614S	6	¼" 6mm	Straight	0.24" 6mm	0.48" 12mm	1.21" 31mm





# Solderless Battery Terminals






## Terminales de batería sin soldadura Bornes de Batterie sans Soudure

- Are made of 131 contact copper alloy
- Are 100% plated with tin/lead bath to allow for ease of crimping and soldering if needed and for excellent conductivity
- Nuts and bolts included
- Flat end drilled allowing the battery cable to bottom flat eliminating any hot spots
- Raised numbers and letters make it easier to identify the wire gauge and crimping die needed

- Fabricadas en aleación de cobre de 131 contactos
- Son 100% recubiertas con un baño de estaño/plomo para facilitar el engarce y soldadura si es necesario y para una excelente conductividad
- Se incluyen tuercas y tornillos
- Extremo plano perforado que permite que el cable de la batería llegue plano al fondo eliminando cualquier punto crítico

- Elles sont fabriquées au moyen de contacts modèle 131 faits d'un alliage de cuivre
- Elles sont intégralement plaquées au moyen d'un bain d'étamage, ce qui permet de faciliter le sertissage et la soudure, si nécessaire, tout en assurant une excellente conductivité
- Les écrous et les boulons sont inclus
- Leur face plane est percée permettant une connexion parfaite du câble de la batterie éliminant toute pointe locale de température.

Top Post	Part #	Color	Gauge	Cable Polarity
	SYSBT6U	Grey	6	Universal
	SYSBT4U	Green	4	Universal
	SYSBT4P	Green	4	Positive
	SYSBT4N	Green	4	Negative
	SYSBT1P	Pink	1-2	Positive
	SYSBT1N	Pink	1-2	Negative
	SYSBT1OP	Black	1/0	Positive
	SYSBT1ON	Black	1/0	Negative
	SYSBT2OP	Orange	2/0	Positive
	SYSBT2ON	Orange	2/0	Negative
	SYSBT3OP	Purple	3/0	Positive
	SYSBT3ON	Purple	3/0	Negative
	SYSBT4OP	Yellow	4/0	Positive
	SYSBT4ON	Yellow	4/0	Negative
	SYSBTR1OP	Black	1/0	Positive
	SYSBTR1ON	Black	1/0	Negative
	SYSBTR2OP	Orange	2/0	Positive
	SYSBTR2ON	Orange	2/0	Negative
	SYSBTL1OP	Black	1/0	Positive
	SYSBTL1ON	Black	1/0	Negative
	SYSBTL2OP	Orange	2/0	Positive
	SYSBTL2ON	Orange	2/0	Negative
	SYSBTL4OP	Yellow	4/0	Positive
	SYSBTL4ON	Yellow	4/0	Negative
	SYSBTF1OP	Black	1/0	Positive
	SYSBTF1ON	Black	1/0	Negative
	SYSBTF2OP	Orange	2/0	Positive
	SYSBTF2ON	Orange	2/0	Negative
	SYSBTF3OP	Purple	3/0	Positive
	SYSBTF3ON	Purple	3/0	Negative
	SYSBTF4OP	Yellow	4/0	Positive
	SYSBTF4ON	Yellow	4/0	Negative

Stud Top	Part #	Color	Gauge	Cable Polarity
	SYSBTD1O	Black	1/0	Universal
	SYSBTD2O	Orange	2/0	Universal
	SYSBTT4U	Green	4	Universal
	SYSBTT1	Pink	1-2	Universal
	SYSBTT1O	Black	1/0	Universal
	SYSBTT2O	Orange	2/0	Universal
	SYSBTT3O	Purple	3/0	Universal
	SYSBTS2O	Orange	2/0	Universal
	Marine Battery	Part #	Stud Size	Cable Polarity
	Lead	SYMBT1	3/8"	Positive
		SYMBT2	5/16"	Negative
	SYMBT3		Universal	
	Tin / Lead Plated Brass	SYMBT4		Positive
		SYMBT5		Negative

# Solderless Battery Terminals

Terminales de batería sin soldadura Bornes de batterie sans soudure

Universal	Part #	Description	Cable Polarity
Top Mount	SYTT1	Light duty	Universal
	SYTT2	Heavy duty	Universal



Straight	SYSBT2OP	2/0	Positive
----------	----------	-----	----------



Side Mount	SYTT3	Lead	Universal
------------	-------	------	-----------



2 Hole Lug	SYTB54205	6awg	
------------	-----------	------	--



Side Mount	Part #	Description
Side Post Hardware	STC910	Stud assembly



Brass Stud	STC912	For various GM applications
------------	--------	-----------------------------



Battery Cable Bolt	SYOBT4	Terminal side post
--------------------	--------	--------------------



Stud Nut	SY6015-050	3/8-16 Stud nut SS
----------	------------	--------------------



## Leadhead Battery Terminals Bornes de batería de plomo Contact de bornes de batterie

Cones	Part #	Hole(s)	Center-to-Center
Standard	SY214921-001	1	
	SY214922-001	2	3" 76mm
	SY214923-001	2	3.75" 95mm
	SY214924-001	3	3.75" 95mm



Maintenance Free	SY214931-001	1	
	SY214932-001	2	3" 76mm
	SY214933-001	2	3.75" 95mm
	SY214934-001	3	3.75" 95mm



Thimbles	Part #	Size
Crimp / Solder	SY214901-001	2ga
	SY214903-001	1ga
	SY214905-001	1/0
	SY214907-001	2/0
	SY214909-001	3/0
	SY214911-001	4/0



Thimbles	Part #	Size
Fusion	SY214902-001	2ga
	SY214904-001	1ga
	SY214906-001	1/0
	SY214908-001	2/0
	SY214910-001	3/0
	SY214912-001	4/0



Accessories	Part #	Description
Lead Stick/Burn Bar	SY2599-000	12" (305mm) Long 1 lb (454g)



Cone/Thimble Fasteners	SY106101-0010	Stainless Steel Bolt
	SY106102-0010	Stainless Steel Flat Washer
	SY106103-0010	Stainless Steel Lock Washer



## Intercells



Part #	Center to Center	
SY215020-005	3"	76mm
SY215021-005	3 1/8"	79mm
SY215023-005	3 1/2"	88mm
SY215025-005	3 3/4"	95mm
SY215040-005	5"	127mm

### Ultra Capacity



Part #	Center to Center	
SY215121-005	3 1/8"	79mm
SY215120-005	3"	76mm

## Terminal Kits Juegos de Terminales Kits de Bornes

### Solderless Insulated Assortment



	SY9930		
	22-18ga	16-14ga	12-10ga
Butt splice connector	10	10	5
Ring, #6 stud	20	20	
Ring, #8 stud	20	20	
Ring, #10 stud	20	20	3
Spade connector, #8 stud	20	20	
Spade connector, #10 stud	20	10	2
Flat disconnect, Female, .25"w	20	20	
Flat disconnect, Male, .25"w	20	20	

### PVC Terminal Kit



	SY990113-001	
	16-14ga	12-10ga
Ring, 5/16" stud		15
Ring, 1/4" stud	15	
Ring, #8 stud	15	
Ring, #10 stud		15
Hook, #8 stud	15	15
Spade, #8 stud	15	15
Butt splice connector	25	25
Flat disconnect, Male, 1/4"	20	20
Flat disconnect, Female, 1/4"	20	20
Bullet disconnect, Male, .157"	15	15
Bullet disconnect, Female, .157"	15	15
3-Way connectors	7	7
5-Way crimping tool		1

### Magnalug Assortments



	Auto/Lt Truck		Heavy Duty	
	SY9930-001		SY9931-001	SY9932-001
	4ga	1ga	2/0	3/0
Starter ground lugs, 5/16" stud	10	10		
Starter ground lugs, 3/8" stud	20	20	20	20
Starter ground lugs, 1/2" stud			15	15
Battery connectors, Single cable, Locking, 3/8" stud			10	10
Battery connectors, Dual cable, Locking, 3/8" stud			8	8
Battery cable splices	8	8	8	8
Closed cap nuts		20	18	18
Heat shrink tube, 6" L, Black	4		4	4
Heat shrink tube, 6" L, Red	4		4	4

# Terminal Kits Juegos de Terminales Kits de Bornes

## Compression Assortments



	SY9125-001		SY9103-001	
	2/0		1 & 2ga	
Compression nuts	50		50	
Straight clamps, Positive	10		10	
Straight clamps, Negative	20		10	
Flag clamps, Positive	5		5	
Flag clamps, Negative	5		5	
Wall lugs, Heavy	10		10	
Bolts and nuts	30		30	

## Crimp Assortments



	Auto/Lt Truck		All Vehicles			Heavy Duty	
	SY9908-001		SY9902-001			SY9910-001	SY9906-001
	4ga	2ga	4ga	1ga	2/0	1/0	2/0
Straight clamps, Positive	10	10	5	5	10	10	10
Straight clamps, Negative	10	10	5	5	10	10	10
Flag clamps, Positive					4	4	4
Flag clamps, Negative					4	4	4
Copper lugs, Heavy wall, 3/8" stud	10	10	10	10	10	10	10
Copper lugs, Heavy wall, 1/2" stud	5	5			5	5	5
Terminal locking lug, Stud/side, 3/8" stud	5	5				10	10
Terminal locking lug, Stud/side, 1/2" stud						5	5
Dual wire, In-line, 3/8" stud						4	4
Copper lugs, Tin plated, 5/16" stud	10	10					
Copper lugs, Tin plated, 3/8" stud	10	10				10	10
Copper lugs, Tin plated, 1/2" stud						10	10
Heat shrink tubing, Heavy wall, Black	10	10				20	20
Terminal protectors, Straight clamp, Black	4	4	4	4	4	5	5
Terminal protectors, Flag clamp, Black					2	3	3
Heat shrink tubing, Heavy wall, Red	10	10				20	20
Terminal protectors, Straight clamp, Red	4	4	4	4	4	5	5
Terminal protectors, Flag clamp, Red					2	3	3
Battery bolts, Tin plated			40			28	28
Shoulder nuts, Tin plated			40			28	28
Closed cap nuts, Stainless steel						5	5

## Solder Assortment



	SY9063-001		
	1 & 2ga	1/0	2/0
Solder clamp, Negative	5	5	5
Solder clamp, Positive	5	5	5
Solder lug, Heavy Duty, 3/8" stud	5	5	1
Heat shrink, Double wall, 3/4" dia, 1 1/2" L, Black	20		
Heat shrink, Double wall, 3/4" dia, 1 1/2" L, Red	1		
Quick flux, 2 fluid ounces	20		
Square head bolt 5/16" - 18 x 1 3/8"	30		
Shoulder nut 5/16" - 18	30		
Safety glasses	1		
Cleaning Brush	1		

# Terminal Kits Juegos de Terminales Kits de Bornes

## SBC Assortments



	Crimp SY400801-001 4ga, 2ga, 1/0, 2/0	Fusion SY400802-001 2ga, 1/0, 2/0
FlexTube heat shrink tubing, 3/4", Red	10	10
FlexTube heat shrink tubing, 3/4", Black	10	10
Protective caps for 175amp housing, Black	4	4
Protective caps for 350amp housing, Black	4	4
Housing, Polycarbonate, 175amp, Gray	8	8
Housing, Polycarbonate, 350amp, Gray	4	4
Contacts, Solid copper, Silver plated	40	40
QuickFlux, 4oz		1
Cleaning brush		1
Safety glasses	1	1
Storage drawer, Heavy duty metal	1	1

## Field Repair Kits (cable not included)



	SY9920-001 2/0	SY9921-001 2/0
Straight clamp, Positive	5	5
Straight clamp, Negative	5	5
Flag clamp, Positive	2	2
Flag clamp, Negative	2	2
Starter/ground lug, 3/8" stud	5	5
Starter/ground lug, 1/2" stud	5	5
Heat shrink tube, 3/4" dia, 6"L, Black	2	2
Terminal protector, Straight, Black	5	5
Terminal protector, Flag, Black	2	2
Heat shrink tube, 3/4" dia, 6"L, Red	2	2
Terminal protector, Straight, Red	5	5
Terminal protector, Flag, Red	2	2
Cutter, 9"L	1	1
Carrying case	1	1
HexCrimp tool		1

	SY9957-001	
	4ga	2ga
Straight clamp, Positive	5	
Straight clamp, Negative	5	
Copper tube lug, 3/4" stud	10	10
Square head bolts and shoulder nuts		10
QuickCutter, 9"L		1
QuickStrip cable stripper		1
HexCrimp Jr. crimping tool		1
Carrying case		1

# Terminal Kits Juegos de Terminales Kits de Bornes

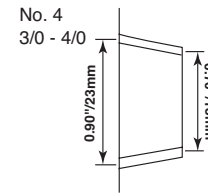
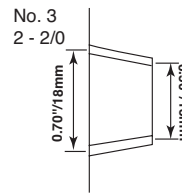
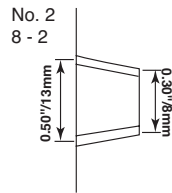
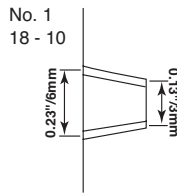
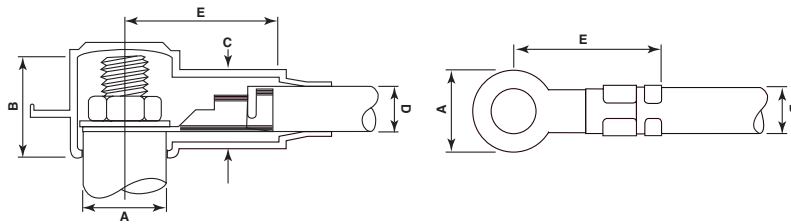
## Garage Maintenance Kit with Cable



	SY9967-001			
	6ga	4ga	2ga	1ga
Top post clamp, Universal		5	5	
Copper lugs, Heavy duty, 3/8" stud		5		5
Side terminal lug, 3/8" stud		5	5	
Copper tube lugs, 5/16" stud	10	10	10	
Copper tube lugs, 3/8" stud	10	10	10	
Bolt and shoulder nuts, Tin plated			10	
Side terminal bolts, GM			10	
Heat shrink tube, Heavy wall, Red			10	
Heat shrink tube, Heavy wall, Black			10	
Cable	25'	25'	25'	
Top post washer set, Black and red			1	
Side terminal washer set, Black and red			1	
Cable stripper			1	
QuickCote+ anti-corrosion, 8oz (240ml)			1	
Battery brush			1	
Battery terminal lifter			1	
Side bolt ratchet tool			1	
Angle nose pliers			1	
Cutter, 9"			1	
Clamp spreader/reamer			1	
HexCrimp Jr., Crimps 8-1ga clamps & lugs			1	
Carrying case, Metal			1	

# Terminal Insulators Aisladores Eléctricos Isolateurs de Bornes

## 200 Series



	(A) Terminal O.D.	(B) Post Height	(C) Insulator Grip Diameter	(D) Cable Entry Options	(E) Terminal Length	Nominal Material Thickness
SY2960-RED	0.55" 14mm	0.75" 19mm	0.50" 13mm	1	1.25" 32mm	0.06" 2mm
SY2960-BLK	0.55" 14mm	0.75" 19mm	0.50" 13mm	1	1.25" 32mm	0.06" 2mm
SY2961-RED	0.55" 14mm	0.75" 19mm	0.50" 13mm	2	1.25" 32mm	0.06" 2mm
SY2961-BLK	0.55" 14mm	0.75" 19mm	0.50" 13mm	2	1.25" 32mm	0.06" 2mm
SY2962-RED	0.65" 16mm	0.80" 20mm	0.50" 13mm	1	1.25" 32mm	0.06" 2mm
SY2962-BLK	0.65" 16mm	0.80" 20mm	0.50" 13mm	1	1.25" 32mm	0.06" 2mm
SY2965-RED	0.73" 18mm	0.87" 22mm	0.50" 13mm	2	1.25" 32mm	0.06" 2mm
SY2965-BLK	0.73" 18mm	0.87" 22mm	0.50" 13mm	2	1.25" 32mm	0.06" 2mm
SY2966-BLK	0.81" 20mm	0.95" 24mm	0.70" 18mm	1	1.75" 45mm	0.07" 2mm
SY2967-RED	0.81" 20mm	0.95" 24mm	0.70" 18mm	2	1.75" 45mm	0.07" 2mm
SY2967-BLK	0.81" 20mm	0.95" 24mm	0.70" 18mm	2	1.75" 45mm	0.07" 2mm
SY2968-RED	0.81" 20mm	0.95" 24mm	0.70" 18mm	3	1.75" 45mm	0.07" 2mm
SY2968-BLK	0.81" 20mm	0.95" 24mm	0.70" 18mm	3	1.75" 45mm	0.07" 2mm
SY2971-RED	1.03" 26mm	1.25" 31mm	0.70" 18mm	3	2.06" 52mm	0.08" 2mm
SY2971-BLK	1.03" 26mm	1.25" 31mm	0.70" 18mm	3	2.06" 52mm	0.08" 2mm
SY2973-RED	1.28" 32mm	1.50" 38mm	0.90" 23mm	2	2.38" 61mm	0.10" 3mm
SY2973-BLK	1.28" 32mm	1.50" 38mm	0.90" 23mm	2	2.38" 61mm	0.10" 3mm
SY2974-BLK	1.28" 32mm	1.50" 38mm	0.90" 23mm	3	2.38" 61mm	0.10" 3mm
SY2975-RED	1.28" 32mm	1.50" 38mm	0.90" 23mm	4	2.38" 61mm	0.10" 3mm
SY2975-BLK	1.28" 32mm	1.50" 38mm	0.90" 23mm	4	2.38" 61mm	0.10" 3mm

## 405 Series



### Solenoids And Starter Motor Terminal Cap

Terminal OD 1.0" 25mm

Post H 0.92" 23mm

### Part #

SY2985-RED

SY2985-BLK

### Cable/Wire

1ga

1ga



# Terminal Insulators Aisladores Eléctricos Isolateurs de Bornes

## 410 Series



### Medium Duty Straight Lead Battery Terminal Cap

**Terminal W** 1.54" 39mm

**Post H** 0.75" 19mm

Part #	Cable/Wire
SY2916-RED	6ga
SY2916-BLK	6ga
SY2917-RED	2ga
SY2917-BLK	2ga
SY5722-025BLK	4ga
SY5722-025RED	4ga
SY5724-025BLK	1/0 & 2/0
SY5724-025RED	1/0 & 2/0
SY5733-025BLK	3/0 & 4/0
SY5773-025RED	3/0 & 4/0

## 430 Series



### Heavy Duty Straight Lead Battery Terminal Cap

**Terminal W** 1.64" 42mm

**Post H** 0.86" 22mm

Part #	Cable/Wire
SY2918-RED	1ga
SY2918-BLK	1ga
SY2919-RED	2/0
SY2919-BLK	2/0

## 444 Series



### U-1 Battery Terminal Insulators

Fits All U-1 Style Battery Posts

Part #	Cable/Wire
SY2921-BLK	6ga Right
SY2922-RED	6ga Left

## 487 Series



### Heavy Duty Starter Cap

**Terminal OD** 1.25" 32mm

**Post H** 1" 25mm

Part #	Cable/Wire
SY2981-RED	2ga
SY2981-BLK	2ga
SY2982-RED	1/0
SY2982-BLK	1/0
SY2983-RED	2/0
SY2983-BLK	2/0
SY5720-025BLK	4ga
SY5720-025RED	4ga
SY5775-025BLK	3/0
SY5775-025RED	3/0

## 490 Series



### Heavy Duty Starter Cap

**Terminal OD** .5" 13mm

**Post H** 1" 25mm

Part #	Cable/Wire
SY2984-BLK	6ga
SY5718-025RED	4ga

# Terminal Insulators Aisladores Eléctricos Isolateurs de Bornes

## 500 Series

### Heavy Duty Square Lead Battery Terminal Cap

Terminal OD 1.87" x 2.37" 48mm x 60mm

Post H 1" 25mm



Double Entry



Left Hand



Right Hand

Part #	Cable/Wire
SY2911-RED	2ga
SY2915-RED	2ga
SY5727-025BLK	1 & 2ga
SY5727-025RED	1 & 2ga
SY5729-025BLK	1 & 2ga
SY5729-025RED	1 & 2ga
SY5725-025BLK	1 & 2ga
SY5726-025BLK	1/0-3/0
SY5726-025RED	1/0-3/0
SY2912-RED	2/0
SY2912-BLK	2/0
SY2914-RED	2/0
SY2914-BLK	2/0
SY5774-025BLK	3/0-4/0
SY5774-025RED	3/0-4/0

## 553 Series

### Side Post Cap



Part #
SY2920-RED
SY2920-BLK



### Automotive Lug

Part #	Cable/Wire
SY5735-025BLK	1 & 2ga
SY5735-025RED	1 & 2ga
SY5736-025BLK	1/0 - 2/0
SY5736-025RED	1/0 - 2/0



### Marine Terminal - Swivel

Part #	Cable/Wire
SY5705-025BLK	Various Gauges - Single or Multiple Cables
SY5705-025RED	



### Straight Clamp

Exclusive Snap On Feature

Part #	Cable/Wire
SY5704-025BLK	6 & 4ga
SY5704-025RED	6 & 4 ga
SY5702-025BLK	1 & 2ga
SY5702-025RED	1 & 2ga

# Terminal Insulators Aisladores Eléctricos Isolateurs de Bornes

## 800 Series



### Alternator Cap

**Terminal OD** .62" 16mm

**Post H** .86" 22mm

### Part #

SY2980-RED

SY2980-BLK

### Cable/Wire

6ga

6ga



### Marine Terminal - Fixed

### Part #

SY5732-025BLK

SY5732-025RED

SY5733-025BLK

SY5733-025RED

### Cable/Wire

1 & 2ga

1 & 2ga

1/0 - 2/0

1/0 - 2/0



### Medium Duty Starter

### Part #

SY5719-025BLK

SY5719-025RED

### Cable/Wire

4 & 6ga

4 & 6ga



### Tab Insulator

### Part #

SY5743-025BLK

SY5743-025RED

SY5747-025BLK

SY5747-025RED

### Cable/Wire

8 - 2ga


8 - 2ga


2 - 2/0


2 - 2/0

# Leadhead Shrouds Protector del Contacto Protecteur de Contact

Shroud Only - Leadhead and Wire Not Included

Intercell	Part #	Holes	Center to Center Distance
	SY215819-025BLK	2	3 <sup>3</sup> / <sub>16</sub> "
	SY215820-025BLK	2	3 <sup>1</sup> / <sub>2</sub> "
	SY215821-025BLK	4	3 <sup>3</sup> / <sub>4</sub> "
	SY215822-025BLK	4	10 <sup>3</sup> / <sub>4</sub> "
	SY215823-025B	2	3 <sup>3</sup> / <sub>4</sub> "
	SY215824-025B	2	5"

Offset 3-Hole	Part #	Orientation	Center to Center Distance
	SY215830-025BLK	Right	3 <sup>3</sup> / <sub>4</sub> "
	SY215831-025RED	Right	3 <sup>3</sup> / <sub>4</sub> "
	SY215832-025BLK	Left	3 <sup>3</sup> / <sub>4</sub> "
	SY215833-025RED	Left	3 <sup>3</sup> / <sub>4</sub> "

Offset 2-Hole	Part #	Orientation	Center to Center Distance
	SY215800-025BLK	Right	3 <sup>3</sup> / <sub>4</sub> "
	SY215801-025RED	Right	3 <sup>3</sup> / <sub>4</sub> "
	SY215802-025BLK	Left	3 <sup>3</sup> / <sub>4</sub> "
	SY215803-025RED	Left	3 <sup>3</sup> / <sub>4</sub> "
	SY215804-025BLK	Right	3"
	SY215805-025RED	Right	3"
	SY215806-025BLK	Left	3"
	SY215807-025RED	Left	3"

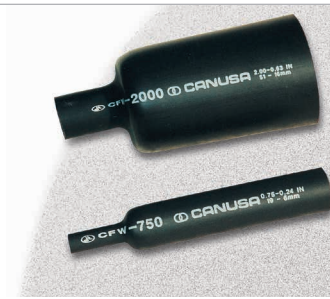
Offset	Part #	Orientation
	SY215815-025BLK	Right
	SY215816-025RED	Right
	SY215817-025BLK	Left
	SY215818-025RED	Left

Straight	Part #	Holes
	SY215846-025BLK	1
	SY215847-025RED	1

# Heat Shrink Tubing Tubería Termorretráctil Tubes Thermo Rétractables

## SYCFW Heavy Wall Crosslinked Polyolefin

- Withstands severe mechanical requirements of U.R.D., submersible and direct burial installations
- High impact, abrasion, corrosion, chemical resistance
- Rated for 600v, 90°C, 194°F continuous use
- Optional Thermoplastic Adhesive Liner provides complete environmental protection and insulation
- Meets: UL 486D, CSA C22.2 No. 198.2, ANSI C119-1, Western Underground Guide Numbers 2.4, 2.5, ICEA and NEMA insulation thickness requirements
- Continuous operating temperature: -55°C to 110°C, -67°F to 230°F
- Shrink temperature: 120°C, 248°F



Physical	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 37	2100psi (14.5MPa)
Elongation	ASTM D412, ISO 37	600%
Longitudinal Change	ASTM D2671	+1%, -10%
Specific Gravity	ASTM D792	1.1
Elongation After Heat Aging (168 hrs at 150°C)	ASTM D2671	500%
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D
<b>Electrical</b>		
Dielectric Strength	ASTM-D149	500 V/Mil (20kV/mm)
Dielectricvoltage Withstand (2500 V, 60 Hz, 1 min.)	UL 486D	No Breakdown, 24kV-1 min, 15kV-4hrs
Volume Resistivity	ASTM D257	1016 ohm-cm
<b>Chemical</b>		
Fluid Resistance	MIL-DTL-23053	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.1%
Fungus Resistance	ASTM G21	No Growth
<b>Adhesive</b>		
Adhesive Softening Point	ASTM E28	92°C +/- 5°C
Adhesive Peel Strength (300mm/min at 23°C)	ASTM D1000	35 pli - to steel, alum, P.E. 20 pli - to PVC
Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002	125psi (0.875 MPa)
Adhesive Blocking (30°C)	ASTM-D1146	No blocking
Water Penetration	STM 706	No penetration after 236hrs.(min) of continuous immersion

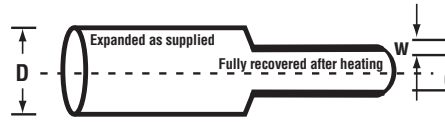
# Heat Shrink Tubing Tubería Termorretráctil Tubes Thermo Rétractables

## SYCFW Heavy Wall Crosslinked Polyolefin Ordering

Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

Seleccione una dimensión que se reducirá cómodamente sobre los componentes que se cubrirán. Si la recuperación se limita el grosor de la pared resultante será menor que la especificada.

Choisissez une dimension qui se rétrécira confortablement au-dessus du composant à couvrir. Si le rétablissement est limité l'épaisseur de paroi résultante sera moins que spécifique.



	(D) Expanded Internal Dia (Min)		(d) Recovered Internal Dia (Max)		(w) Recovered Wall Thickness		Application Range for General Use		600/1000V Single Conductor Size	Standard Lengths	
SYCFW350BK	9mm	0.35"	3mm	0.12"	2mm	0.07"	3 - 8	.15 - .3"	#14 - #10	1.2	48
SYCFW350RD	9mm	0.35"	3mm	0.12"	2mm	0.07"	3 - 8	.15 - .3"	#14 - #10	1.2	48
SYCFW500BK	13mm	0.51"	4mm	0.16"	2mm	0.09"	4 - 11	.2-.45"	#8 - #6	1.2	48
SYCFW500RD	13mm	0.51"	4mm	0.16"	2mm	0.09"	4 - 11	.2-.45"	#8 - #6	1.2	48
SYCFW750BK	19mm	0.75"	6mm	0.24"	2mm	0.09"	6 - 17	.25-.65"	#6 - #2	1.2	48
SYCFW750RD	19mm	0.75"	6mm	0.24"	2mm	0.09"	6 - 17	.25-.65"	#6 - #2	1.2	48
SYCFW1100BK	28mm	1.1"	9mm	0.35"	3mm	0.12"	10 - 24	.4-.95"	#1 - 3/0	1.2	48
SYCFW1100RD	28mm	1.1"	9mm	0.35"	3mm	0.12"	10 - 24	.4-.95"	#1 - 3/0	1.2	48
SYCFW1500BK	38mm	1.5"	12mm	0.47"	4mm	0.16"	13 - 35	.5-1.4"	2/0 - 350	1.2	48
SYCFW1500RD	38mm	1.5"	12mm	0.47"	4mm	0.16"	13 - 35	.5-1.4"	2/0 - 350	1.2	48
SYCFW2000BK	51mm	2.0"	16mm	0.63"	4mm	0.16"	17 - 44	.7-1.75"	250 - 500	1.2	48
SYCFW2000RD	51mm	2.0"	16mm	0.63"	4mm	0.16"	17 - 44	.7-1.75"	250 - 500	1.2	48
SYCFW2700BK	68mm	2.7"	22mm	0.87"	4mm	0.16"	25 - 59	.95-2.3"	600 - 1000	1.2	48
SYCFW3500BK*	90mm	3.54"	30mm	1.18"	4mm	0.16"	33 - 80	1.3-3.1"	800 - 1250	1.2	48
SYCFW3500RD*	90mm	3.54"	30mm	1.18"	4mm	0.16"	33 - 80	1.3-3.1"	800 - 1250	1.2	48
SYCFW4700BK*	120mm	4.72"	40mm	1.57"	4mm	0.17"	44 - 104	1.75-4.1"	1500 - 2500	1.2	48
SYCFW4700RD*	120mm	4.72"	40mm	1.57"	4mm	0.17"	44 - 104	1.75-4.1"	1500 - 2500	1.2	48

RD = Red BK = Black

\*Not UL or CSA listed

# Heat Shrink Tubing Tubería Termorretráctil Tubes Thermo Rétractables

## SYCFW Flame Retardant Heavy Wall Crosslinked Polyolefin

- High impact and abrasion resistance - capable of withstanding severe mechanical abuse of U.R.D., submersible and direct burial installations
- FCFW tubing will not split or rupture during installation, even when overheated
- Optional Thermoplastic Adhesive Liner provides complete environmental protection and insulation
- Meets: UL 486D, CSA C22.2 No. 198.2, ANSI C119-1, Western Underground Guides Nos. 2.4, 2.5, MIL-DTL-2a3053/15, IEEE 383 Vertical Flame Test, ANSI C37.20.2, ICEA S-19-8 and NEMA insulation thickness requirements
- Rated for 600v, 90°C, 194°F continuous use
- Continuous operating temperature: -55°C to 110°C, -67°F to 230°F
- Shrink temperature: 120°C, 248°F



Physical	Test Method	Typical Performance
Tensile Strength	ASTM D412, ISO 37	2100psi (14.5MPa)
Elongation	ASTM D412, ISO 37	600%
Longitudinal Change on Recovery	ASTM D2671	+1%, -10%
Specific Gravity	ASTM D792	1.2
Elongation After Heat Aging (168 hrs at 175°C)	ASTM D2671	500% (250%)
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking
Hardness (Shore D)	ASTM D2240	50D
<b>Electrical</b>		
Dielectric Strength	ASTM-D149	500 V/Mil (20kV/mm)
Dielectricvoltage Withstand (2500 V, 60 Hz, 1 min.)	UL 486D	No Breakdown, 24kV-1 min, 15kV-4hrs
Volume Resistivity	ASTM D257	1016 ohm-cm
<b>Chemical</b>		
Fluid Resistance	MIL-DTL-23053/15	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.2%
Fungus Resistance	ASTM G21	No Growth
<b>Adhesive</b>		
Adhesive Softening Point	ASTM E28	92°C +/- 5°C
Adhesive Peel Strength (300mm/min at 23°C)	ASTM D1000	35 pli - to steel, alum, P.E. 20 pli - to PVC
Adhesive Lap Shear (1in./min at 23°C)	ASTM D1002	125psi (0.875 MPa)
Adhesive Blocking (30°C)	ASTM-D1146	No blocking
Adhesive Water Absorbtion	ASTM D570	< .03%
Water Penetration	STM 706	No penetration after 236hrs.(min) of continuous immersion

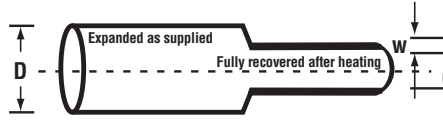
# Heat Shrink Tubing Tubería Termorretráctil Tubes Thermo Rétractables

## SYFCFW Flame Retardant Heavy Wall Crosslinked Polyolefin

Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

Seleccione una dimensión que se reducirá cómodamente sobre los componentes que se cubrirán. Si la recuperación se limita el grosor de la pared resultante será menor que la especificada.

Choisissez une dimension qui se rétrécira confortablement au-dessus du composant à couvrir. Si le rétablissement est limité l'épaisseur de paroi résultante sera moins que spécifique.



	(D) Expanded Internal Dia (Min)		(d) Recovered Internal Dia (Max)		(w) Recovered Wall Thickness		Application Range for General Use		600/1000V Single Conductor Size	Standard Lengths	
SYFCFW350BK	9mm	0.35"	3mm	0.12"	1.8mm	0.07"	3-8mm	.15-.3"	#14-#10	1.2m	48"
SYFCFW350RD	9mm	0.36"	3mm	0.13"	1.9mm	0.07"	3-8mm	.15-.4"	#14-#10	1.2m	48"
SYFCFW500BK	13mm	0.51"	4mm	0.16"	2.4mm	0.09"	4-11mm	.2-.45"	#8-#6	1.2m	48"
SYFCFW500RD	13mm	0.51"	4mm	0.16"	2.4mm	0.09"	4-11mm	.2-.45"	#8-#6	1.2m	48"
SYFCFW750BK	19mm	0.75"	6mm	0.24"	2.4mm	0.09"	6-17mm	.2-.65"	#6-#2	1.2m	48"
SYFCFW750RD	19mm	0.75"	6mm	0.24"	2.4mm	0.09"	6-17mm	.2-.65"	#6-#2	1.2m	48"
SYFCFW1100BK	28mm	1.10"	9mm	0.35"	3.0mm	0.12"	10-24mm	.4-.95"	#1-3/0	1.2m	48"
SYFCFW1100RD	28mm	1.10"	9mm	0.35"	3.0mm	0.12"	10-24mm	.4-.95"	#1-3/0	1.2m	48"
SYFCFW1500BK	38mm	1.50"	12mm	0.47"	4.1mm	0.16"	13-35mm	.5-1.4"	2/0-350	1.2m	48"
SYFCFW1500RD	38mm	1.51"	12mm	0.47"	4.1mm	0.16"	13-35mm	.5-1.4"	2/0-350	1.2m	48"
SYFCFW2000BK	51mm	2.00"	16mm	0.63"	4.1mm	0.16"	17-44mm	.7-1.75"	250-500	1.2m	48"
SYFCFW2000RD	51mm	2.01"	16mm	0.63"	4.1mm	0.16"	17-44mm	.7-1.75"	250-500	1.2m	48"
SYFCFW2700BK	68mm	2.70"	22mm	0.87"	4.1mm	0.16"	24-59mm	.95-2.3"	600-100	1.2m	48"
SYFCFW2700RD	68mm	2.70"	22mm	0.87"	4.1mm	0.16"	24-59mm	.95-2.3"	600-100	1.2m	48"
SYFCFW3500BK	90mm	3.54"	30mm	1.18"	4.1mm	0.16"	33-80mm	1.3-3.1"	800-125	1.2m	48"
SYFCFW4700BK	120mm	4.72"	40mm	1.57"	4.2mm	0.17"	44-104mm	1.75-4.1"	1500-2500	1.2m	48"
SYFCFW4700RD	120mm	4.72"	40mm	1.57"	4.2mm	0.17"	44-104mm	1.75-4.1"	1500-2500	1.2m	48"

RD = Red BK = Black



# Heat Shrink Tubing Tubería Termorretráctil Tubes Thermo Rétractables

## SYCPA Adhesive Lined Thin Wall Crosslinked Polyolefin

- Flame retardant
- Superior sealing against water, moisture, or other contaminants
- High shrink ratio allows for coverage of irregularly shaped connectors and components
- Inner adhesive bonds to: plastics, rubber, neoprene, steel and polyethylene
- Meets: MIL-DTL-23053/4 Class 3
- Continuous operating temperature: -55°C to 110°C, -67°F to 230°F
- Shrink temperature: 120°C, 248°F



Physical	Test Method	Typical Performance
Tensile Strength	ASTM D2671	2200psi (15.0 MPa) ISO 37
Elongation	ASTM D2671	400% ISO 37
Longitudinal Change	ASTM D2671	+1%,-10%
2% Secant Modulus	ASTM D2671	16000psi (110 MPa)
Specific Gravity	ASTM D792	1.3 (colors) 0.95 (clear) ISO/R1183
Restricted Shrinkage	ASTM D2671	No cracking
Elongation after Heat Aging (168hrs at 175°C)	ASTM D2671	350%
Heat Shock (4hrs at 250°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking or splitting
Flammability (except Clear)	ASTM D2671	Flame Retardant
<b>Electrical</b>		
Dielectric Strength	ASTM D2671, IEC 243	600 V/Mil (24kV/mm)
Volume Resistivity	ASTM D2671	1016 ohm-cm
<b>Chemical</b>		
Fluid Resistance	MIL-DTL-23053/5,	Good to Excellent ISO 1817, ISO 37
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.20%
Fungus Resistance	ASTM G21	No Growth

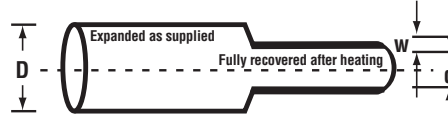
# Heat Shrink Tubing Tubería Termorretráctil Tubes Thermo Rétractables

## SYCPA Adhesive Lined Thin Wall Crosslinked Polyolefin

Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified.

Seleccione una dimensión que se reducirá cómodamente sobre los componentes que se cubrirán. Si la recuperación se limita el grosor de la pared resultante será menor que la especificada.

Choisissez une dimension qui se rétrécira confortablement au-dessus du composant à couvrir. Si le rétablissement est limité l'épaisseur de paroi résultante sera moins que spécifique.



	(D) Expanded Internal Dia (Min)		(d) Recovered Internal Dia (Max)		(w) Recovered Wall Thickness		Recovered Nominal Meltable Wall Thickness		Standard Lengths	
SYCPA125BK	3mm	.125"	0.6mm	0.023"	1mm	0.038"	0.5mm	0.020"	1.2m	48"
SYCPA125RD	3mm	.125"	0.6mm	0.023"	1mm	0.038"	0.5mm	0.020"	1.2m	48"
SYCPA125BE	3mm	.125"	0.6mm	0.023"	1mm	0.038"	0.5mm	0.020"	1.2m	48"
SYCPA125CR	3mm	.125"	0.6mm	0.023"	1mm	0.038"	0.5mm	0.020"	1.2m	48"
SYCPA187BK	5mm	.1875"	1.5mm	0.060"	1.2mm	0.045"	0.6mm	0.025"	1.2m	48"
SYCPA187RD	5mm	.1875"	1.5mm	0.060"	1.2mm	0.045"	0.6mm	0.025"	1.2m	48"
SYCPA187BE	5mm	.1875"	1.5mm	0.060"	1.2mm	0.045"	0.6mm	0.025"	1.2m	48"
SYCPA187CR	5mm	.1875"	1.5mm	0.060"	1.2mm	0.045"	0.6mm	0.025"	1.2m	48"
SYCPA250BK	6mm	0.25"	2.0mm	0.080"	1.3mm	0.047"	0.7mm	0.027"	1.2m	48"
SYCPA250RD	6mm	0.25"	2.0mm	0.080"	1.3mm	0.047"	0.7mm	0.027"	1.2m	48"
SYCPA250CR	6mm	0.25"	2.0mm	0.080"	1.3mm	0.047"	0.7mm	0.027"	1.2m	48"
SYCPA312BK	8mm	0.3125"	2.7mm	0.104"	1.3mm	0.048"	0.7mm	0.027"	1.2m	48"
SYCPA312RD	8mm	0.3125"	2.7mm	0.104"	1.3mm	0.048"	0.7mm	0.027"	1.2m	48"
SYCPA312BE	8mm	0.3125"	2.7mm	0.104"	1.3mm	0.048"	0.7mm	0.027"	1.2m	48"
SYCPA312CR	8mm	0.3125"	2.7mm	0.104"	1.3mm	0.048"	0.7mm	0.027"	1.2m	48"
SYCPA375BK	10mm	0.375"	3.4mm	0.135"	1.3mm	0.050"	0.8mm	0.030"	1.2m	48"
SYCPA375RD	10mm	0.375"	3.4mm	0.135"	1.3mm	0.050"	0.8mm	0.030"	1.2m	48"
SYCPA375BE	10mm	0.375"	3.4mm	0.135"	1.3mm	0.050"	0.8mm	0.030"	1.2m	48"
SYCPA375CR	10mm	0.375"	3.4mm	0.135"	1.3mm	0.050"	0.8mm	0.030"	1.2m	48"
SYCPA500BK	13mm	0.500"	5.0mm	0.195"	1.4mm	0.055"	0.9mm	0.035"	1.2m	48"
SYCPA500BE	13mm	0.500"	5.0mm	0.195"	1.4mm	0.055"	0.9mm	0.035"	1.2m	48"
SYCPA500CR	13mm	0.500"	5.0mm	0.195"	1.4mm	0.055"	0.9mm	0.035"	1.2m	48"
SYCPA750BK	19mm	.750"	8.0mm	0.313"	1.7mm	0.065"	1.0mm	0.040"	1.2m	48"
SYCPA750RD	19mm	.750"	8.0mm	0.313"	1.7mm	0.065"	1.0mm	0.040"	1.2m	48"
SYCPA750CR	19mm	.750"	8.0mm	0.313"	1.7mm	0.065"	1.0mm	0.040"	1.2m	48"
SYCPA1000RD	25mm	1"	10.2mm	0.400"	1.9mm	0.075"	1.0mm	0.040"	1.2m	48"
SYCPA1000BK	25mm	1"	10.2mm	0.400"	1.9mm	0.075"	1.0mm	0.040"	1.2m	48"
SYCPA1000BE	25mm	1"	10.2mm	0.400"	1.9mm	0.075"	1.0mm	0.040"	1.2m	48"
SYCPA1000CR	25mm	1"	10.2mm	0.400"	1.9mm	0.075"	1.0mm	0.040"	1.2m	48"
SYCPA1250BK	32mm	1.25"	12.7mm	0.500"	2.5mm	0.100"	1.6mm	0.065"	1.2m	48"
SYCPA1250RD	32mm	1.25"	12.7mm	0.500"	2.5mm	0.101"	1.6mm	0.065"	1.2m	48"
SYCPA1250BE	32mm	1.25"	12.7mm	0.500"	2.5mm	0.102"	1.6mm	0.065"	1.2m	48"
SYCPA1250CR	32mm	1.25"	12.7mm	0.500"	2.5mm	0.103"	1.6mm	0.065"	1.2m	48"
SYCPA1500BK	38mm	1.5"	15.2mm	0.600"	3mm	0.120"	2mm	0.078"	1.2m	48"
SYCPA1500RD	38mm	1.5"	15.2mm	0.600"	3mm	0.120"	2mm	0.078"	1.2m	48"
SYCPA1500BE	38mm	1.5"	15.2mm	0.600"	3mm	0.120"	2mm	0.078"	1.2m	48"
SYCPA1500CR	38mm	1.5"	15.2mm	0.600"	3mm	0.120"	2mm	0.078"	1.2m	48"

RD = Red BK = Black BE = Blue CR = Clear

# Heat Shrink Tubing Tubería Termorretráctil Tubes Thermo Rétractables

## Shrink Tube

- 3:1 Shrink ratio
- 1.5" 38mm Pre-cut length
- Ideal for sealing battery cable ends



	Color	O.D.	Wire Sizes	Wall Thickness
SYHSRED	Red	.75" 19mm	#1-#8	Thin
SYHSBLK	Black	.75" 19mm	#1-#8	Thin
SYHSREDM	Red	.75" 19mm	#1-#8	Medium
SYHSBLKM	Black	.75" 19mm	#1-#8	Medium
SYHSREDHD	Red	.75" 19mm	#1-#8	Heavy
SYHSBLKHD	Black	.75" 19mm	#1-#8	Heavy
SYHSRED1	Red	1" 25mm	4/0-1/0	Thin
SYHSBLK1	Black	1" 25mm	4/0-1/0	Thin
SYHSREDM1	Red	1" 25mm	4/0-1/0	Medium
SYHSBLKM1	Black	1" 25mm	4/0-1/0	Medium
SYHSREDHD1	Red	1" 25mm	4/0-1/0	Heavy
SYHSBLKHD1	Black	1" 25mm	4/0-1/0	Heavy

## Irradiated Polyolefin Shrink Tube

- 2:1 Shrink ratio
- Used for harnessing, wire bundling, strain reliefs, insulation of terminals, cable jacketing
- Easy to ID by color coding or marking
- -11°F to +175°F (-24°C to +80°C) Operating temperature
- UL standard 224csa standard 198
- MIL-1-23053/5A



	Color	I.D.	Length	Description
SY9975	Black	.125" 3mm	48" 1219mm	
SY9982	Red	.125" 3mm	48" 1219mm	
SY9983	Black	.1875" 5mm	48" 1219mm	
SY9976	Black	.1875" 5mm	48" 1219mm	
SY9977	Black	.25" 6mm	48" 1219mm	
SY9984	Red	.25" 6mm	48" 1219mm	
SY9978	Black	.375" 10mm	48" 1219mm	
SY9985	Red	.375" 10mm	48" 1219mm	
SY9986	Black	.5" 13mm	48" 1219mm	
SY9979	Black	.5" 13mm	48" 1219mm	
SY9980	Black	.75" 19mm	48" 1219mm	
SY9987	Red	.75" 19mm	48" 1219mm	
SY9981	Black	1" 25mm	48" 1219mm	
SY9988	Red	1" 25mm	48" 1219mm	
SY2-40SR-6	Red	6" 152mm	6" 152mm	Precut 6" length
SY2-40S-6	Black	6" 152mm	6" 152mm	Precut 6" length

## Magnatube Double Wall w/ Extra Meltable Sealant



Expanded Dia	Shrunken Dia	1.5" 38mm L		6" 152mm L		48" 1219mm L	
0.38" 10mm	0.125" 3mm	SY5611-051BLK	SY5612-051RED	SY5611-050BLK	SY5612-050RED	SY5611-001BLK	SY5612-001RED
0.50" 13mm	0.1875" 5mm	SY5651-051BLK	SY5651-051RED	SY5651-050BLK	SY5651-050RED	SY5651-001BLK	SY5651-001RED
0.75" 19mm	0.25" 6mm	SY5613-051BLK	SY5614-051RED	SY5613-050BLK	SY5614-050RED	SY5613-001BLK	SY5614-001RED
1.13" 29mm	0.375" 10mm	SY5615-051BLK	SY5616-051RED	SY5615-050BLK	SY5616-050RED	SY5615-001BLK	SY5616-001RED

# QuickHeat™ Guns Pistolas QuickHeat™ Pistolets QuickHeat™

## QuickHeat™ 1 SY4271-001

- Dual Heat 250 / 1100°F
- 120V
- 1200 Watt



## QuickHeat™ 2 SY4272-001

- Dual Heat 500 / 750°F
- 115V
- 1400 Watt



## QuickHeat™ 1 Replacement Deflector SY4277-001



## Cable Clamps Abrazaderas de Cable Serre-Câbles

Sold in 100 piece units, or sold in bulk

Se venden en paquetes de 10 piezas y en más grandes cantidades

Vendus par paquets de 100, ou vendus en vrac

### Natural Nylon



Part #	Diameter
SYTCL18	1/8" 3mm
SYTCL36	3/16" 5mm
SYTCL56	5/16" 8mm
SYTCL38	3/8" 10mm
SYTCL12	1/2" 13mm
SYTCL34	3/4" 19mm
SYTCL78	7/8" 22mm
SYTCL1	1" 25mm

### Black Nylon



Part #	Diameter
SYTCLB18	1/8" 3mm
SYTCLB36	3/8" 5mm
SYTCLB14	1/4" 6mm
SYTCLB14-BULK*	1/4" 6mm
SYTCLB56	5/16" 8mm
SYTCLB12	1/2" 13mm
SYTCLB34	3/4" 19mm
SYTCLB78	7/8" 22mm
SYTCLB1	1" 25mm

### Metal



Part #	Diameter
SYMCL14	1/4" 6mm
SYMCL12	1/2" 13mm
SYMCL58	5/8" 16mm
SYMCL34	3/4" 19mm
SYMCL1	1" 25mm
SYMCL112	1 1/2" 38mm

# Cable Ties Sujetables Attaches de Câbles

## Ty-Rap®

- Registered as Standard 1565
- Qualified under OPC 23190

The MX series cable ties are recommended for outdoor use. The addition of carbon black provides good ultraviolet resistance and prolongs the useful life of the cable tie.

- Registrado como Standard 1565
- Calificado bajo OPC 23190

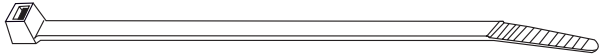
Se recomienda el cable de la serie MX para uso en exteriores. La adición de negro de carbono proporciona una buena resistencia a la radiación ultravioleta y prolonga la vida útil de los sujetables.

- Enregistré au standard 1565
- Habilité sous OPC 23190

Les attaches de câbles de la série MX sont recommandées pour un usage en extérieur. L'ajout de carbone noir procure une bonne résistance aux rayons ultraviolets et prolonge la durée de vie utile de l'attache de câble.



## M Series Standard Nylon 6/6



	Government Designation	Max Tensile Unlocking Strength		Maximum Bundle Diameter		Approximate Length		Body Width		Package Qty
SYTY523M	MS3367-4	18lbs	8kg	.63"	16mm	3.6"	92mm	.09"	2mm	100
SYTY5232M	MS3367-4	18lbs	8kg	2.0"	51mm	8.0"	203mm	.09"	2mm	100
SYTY524M	MS3367-5	40lbs	18kg	1.1"	29mm	5.5"	140mm	.14"	4mm	100
SYTY5242M	MS3367-5	40lbs	18kg	2.0"	51mm	8.2"	208mm	.14"	4mm	100
SYTY525M	MS3367-1	50lbs	23kg	1.7"	45mm	7.3"	186mm	.18"	5mm	100
SYTY5253M	MS3367-7	50lbs	23kg	3.0"	76mm	11.4"	290mm	.18"	5mm	100
SYTY528M	MS3367-2	50lbs	23kg	4.0"	102mm	14.2"	361mm	.18"	5mm	100
SYTY5272M	MS3367-2	120lbs	54kg	2.0"	51mm	9.0"	229mm	.27"	7mm	100
SYTY527M	MS3367-3	120lbs	54kg	3.5"	89mm	13.4"	340mm	.27"	7mm	100
SYTY5275M	MS3367-3	120lbs	54kg	5.0"	127mm	18.0"	457mm	.27"	7mm	100
SYTY529M	MS3367-6	120lbs	54kg	9.0"	229mm	30.0"	762mm	.30"	8mm	100
SYTY421751	MS3367-6	175lbs	79kg	13.0"	330mm	45.0"	1,143mm	.32"	8mm	100

## MX Series Nylon 6/6 - Weather Resistant



	Government Designation	Max Tensile Unlocking Strength		Maximum Bundle Diameter		Approximate Length		Body Width		Package Qty
SYTY523MX	MS3367-4	18lbs	8kg	.63"	16mm	3.6"	92mm	.09"	2mm	100
SYTY5232MX	MS3367-4	18lbs	8kg	2.0"	51mm	8.0"	203mm	.09"	2mm	100
SYTY524MX	MS3367-5	40lbs	18kg	1.1"	29mm	5.5"	140mm	.14"	4mm	100
SYTY5242MX	MS3367-5	40lbs	18kg	2.0"	51mm	8.2"	208mm	.14"	4mm	100
SYTY525MX	MS3367-1	50lbs	23kg	1.7"	45mm	7.3"	186mm	.18"	5mm	100
SYTY5253MX	MS3367-7	50lbs	23kg	3.0"	76mm	11.4"	290mm	.18"	5mm	100
SYTY528MX	MS3367-2	50lbs	23kg	4.0"	102mm	14.2"	361mm	.18"	5mm	100
SYTY5272MX	MS3367-2	120lbs	54kg	2.0"	51mm	9.0"	229mm	.27"	7mm	100
SYTY527MX	MS3367-3	120lbs	54kg	3.5"	89mm	13.4"	340mm	.27"	7mm	100
SYTY5275MX	MS3367-3	120lbs	54kg	5.0"	127mm	18.0"	457mm	.27"	7mm	50
SYTY529MX	MS3367-6	120lbs	54kg	9.0"	229mm	30.0"	762mm	.30"	8mm	50
SYTYB361751	MS3367-6	175lbs	79kg	10.0"	254mm	35.0"	889mm	.32"	8mm	50
SYTYB421751	MS3367-6	175lbs	79kg	13.0"	330mm	45.0"	1,143mm	.32"	8mm	50

Bulk quantities also available upon request

Cantidades a granel también disponibles a solicitud

Des livraisons en vrac sont également disponibles sur simple demande

# Cable Ties Sujetacables Attaches de Câbles

## Acid Resistant Ties



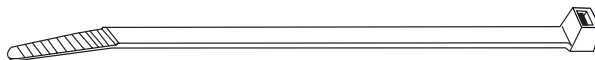
	Approximate Length		Package Qty
SY9943	8.875"	225mm	500
SY9943-1	8.875"	225mm	100

## Cable Grip



	Approximate Length	
SY88577	12.25"	311mm
SY88578	7"	178mm
SY88579	7.25"	184mm
SY39926	12.5"	318mm

## Nylon Cable Ties



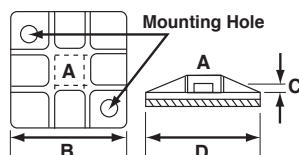
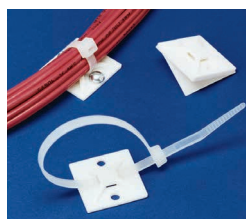
	Approximate Length		Package Qty
SY9940	4"	102mm	100
SY9941	6"	152mm	100
SY9942	8"	203mm	100

## Mounting Cable Ties



	Mounting	Max Tensile Unlocking Strength		Maximum Bundle Diameter		Approximate length		Body Width		Package Qty
SYTYMB4181	#4 Screw	18lbs	8kg	1.25	32	6	152	0.1	3	100
SYTYMB7301	#8 Screw	30lbs	14kg	1.75	44	7	178	0.14	4	100
SYTYMB11501	#10 Screw	50lbs	23kg	3	76	11	279	0.18	5	100
SYTYMB14501	#10 Screw	50lbs	23kg	4	102	14	356	0.18	5	100
SYTYMB211201	1/4" Screw	120lbs	54kg	4	102	15	381	0.3	8	100

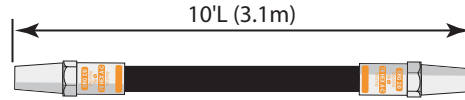
## Add Cable Tie Mounts



SY #	Slot Width A		Width B		Slot Height C		Length D		Color
SYTYM10434	.15"	4mm	.75"	19mm	.05"	1mm	.75"	19mm	White
SYTYM1041	.20"	5mm	1.0"	25mm	.07"	2mm	1.0"	25mm	White
SYTYM10415	.36"	9mm	1.5"	4mm	.14"	4mm	1.0"	25mm	White
SYTYMB10434	.15"	4mm	.75"	19mm	.05"	1mm	.75"	19mm	Black
SYTYMB1041	.20"	5mm	1.0"	25mm	.07"	2mm	1.0"	25mm	Black
SYTYMB10415	.36"	9mm	1.5"	4mm	.14"	4mm	1.0"	25mm	Black

# Cable & Wire Cables & Alambres Câbles & Fils Électriques

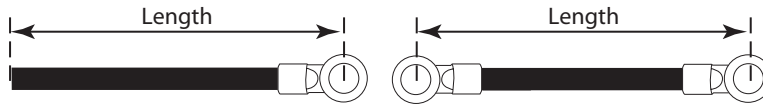
## Dual Thimble Cable



### Gauge

SY214943-001	SY214944-001	1
SY214945-001	SY214946-001	1/0
SY214947-001	SY214948-001	2/0
SY214949-001	SY214950-001	3/0
SY214951-001	SY214952-001	4/0

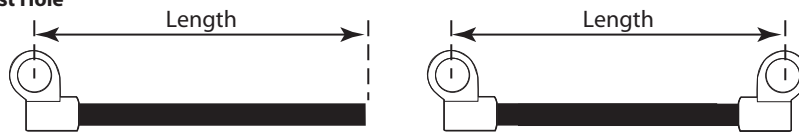
## Straight 15/16" Post Hole



### Gauge Length End(s) Terminated

		Gauge	Length		End(s) Terminated
SY214256-001	SY214223-001	1	60" 1524mm		1
SY214234-001	SY214201-001	1	120" 3048mm		2
SY214376-001	SY214331-001	1/0	60" 1524mm		1
SY214346-001	SY214301-001	1/0	120" 3048mm		2
SY214526-001	SY214481-001	2/0	60" 1524mm		1
SY214496-001	SY214451-001	2/0	120" 3048mm		2
SY214676-001	SY214631-001	3/0	60" 1524mm		1
SY214646-001	SY214601-001	3/0	120" 3048mm		2
SY214825-001	SY214780-001	4/0	60" 1524mm		1
SY214795-001	SY214750-001	4/0	120" 3048mm		2

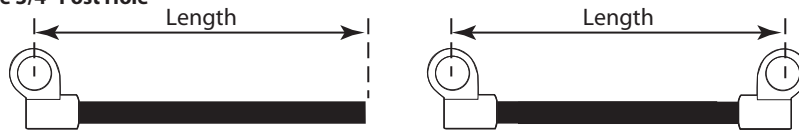
## Offset - One 15/16" Post Hole



### Gauge Length End(s) Terminated

		Gauge	Length		End(s) Terminated
SY214257-001	SY214224-001	1	60" 1524mm		1
SY214235-001	SY214202-001	1	120" 3048mm		2
SY214377-001	SY214332-001	1/0	60" 1524mm		1
SY214347-001	SY214302-001	1/0	120" 3048mm		2
SY214677-001	SY214632-001	3/0	60" 1524mm		1
SY214647-001	SY214602-001	3/0	120" 3048mm		2
SY214527-001	SY214482-001	2/0	60" 1524mm		1
SY214497-001	SY214452-001	2/0	120" 3048mm		2
SY214826-001	SY214781-001	4/0	60" 1524mm		1
SY214796-001	SY214751-001	4/0	120" 3048mm		2

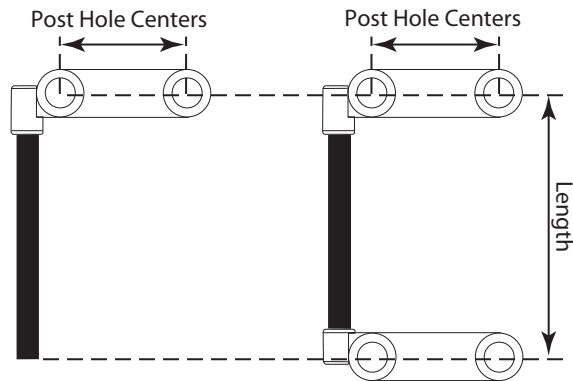
## Offset-Small Bore - One 3/4" Post Hole



### Gauge Length End(s) Terminated

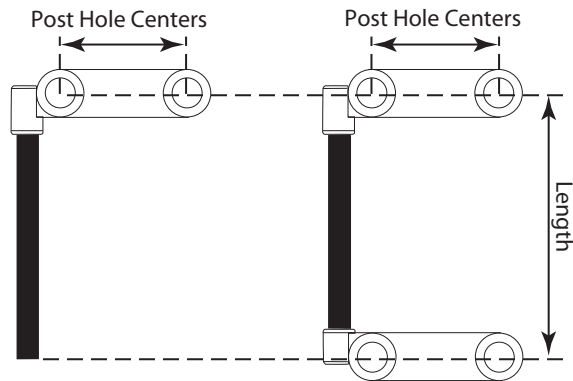
		Gauge	Length		End(s) Terminated
SY214157-001	SY214124-001	2	60" 1524mm		1
SY214135-001	SY214102-001	2	120" 3048mm		2

## Offset - Two Post Hole - 3.0" Center to Center



		Gauge	Length		End(s) Terminated
SY214378-001	SY214333-001	1/0	60"	1524mm	1
SY214348-001	SY214303-001	1/0	120"	3048mm	2
SY214528-001	SY214483-001	2/0	60"	1524mm	1
SY214498-001	SY214453-001	2/0	120"	3048mm	2
SY214678-001	SY214633-001	3/0	60"	1524mm	1
SY214648-001	SY214603-001	3/0	120"	3048mm	1
SY214827-001	SY214782-001	4/0	60"	1524mm	1
SY214797-001	SY214752-001	4/0	120"	3048mm	2

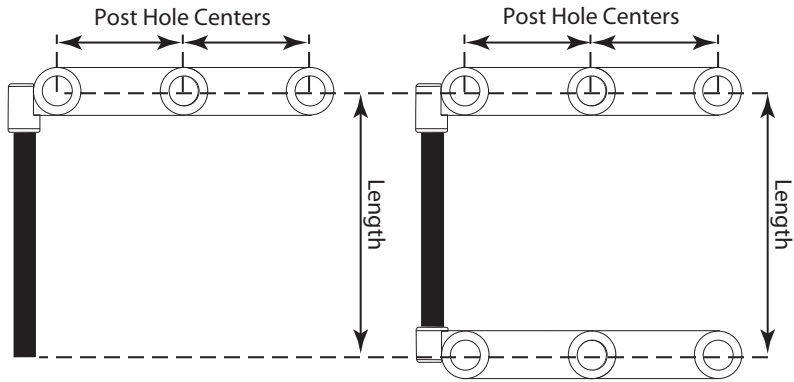
## Offset - Two Post Hole - 3.75" Center to Center



		Gauge	Length		End(s) Terminated
SY214379-001	SY214334-001	1/0	60"	1524mm	1
SY214349-001	SY214304-001	1/0	120"	3048mm	2
SY214529-001	SY214484-001	2/0	60"	1524mm	1
SY214499-001	SY214454-001	2/0	120"	3048mm	2
SY214679-001	SY214634-001	3/0	60"	1524mm	1
SY214638-001	SY214637-001	3/0	72"	1828mm	1
SY214649-001	SY214604-001	3/0	120"	3048mm	1
SY214828-001	SY214783-001	4/0	60"	1524mm	1
SY214798-001	SY214753-001	4/0	120"	3048mm	2

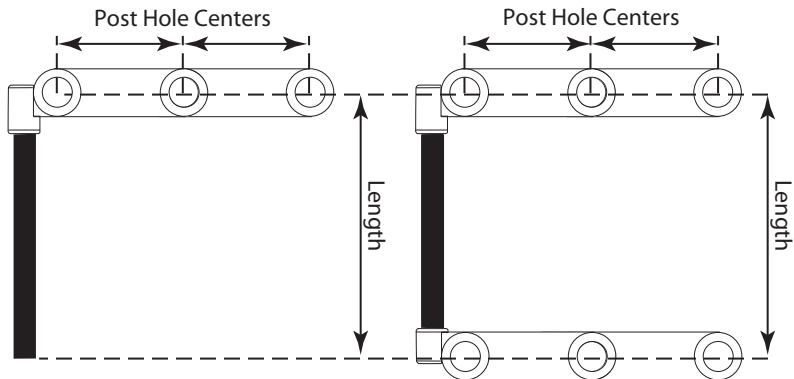


## Offset - Three Post Hole - 3.0" Center to Center



		Gauge	Length		End(s) Terminated
SY214530-001	SY214485-001	2/0	60"	1524mm	1
SY214500-001	SY214455-001	2/0	120"	3048mm	2
SY214680-001	SY214635-001	3/0	60"	1524mm	1
SY214650-001	SY214605-001	3/0	120"	3048mm	2
SY214829-001	SY214784-001	4/0	60"	1524mm	1
SY214799-001	SY214754-001	4/0	120"	3048mm	1

## Offset - Three Post Hole - 3.75" Center to Center



		Gauge	Length		End(s) Terminated
SY214531-001	SY214486-001	2/0	60"	1524mm	1
SY214681-001	SY214636-001	3/0	60"	1524mm	1
SY214651-001	SY214606-001	3/0	120"	3048mm	2
SY214830-001	SY214785-001	4/0	60"	1524mm	1
SY214800-001	SY214755-001	4/0	120"	3048mm	1

# Cable & Wire Cables & Alambres Câbles & Fils Électriques

## Protective Black Nylon Shrink Sleeving



## Description

SY505301-100	1/4" Expandable Sleeving (100 Ft/Roll)
SY505302-100	3/8" Expandable Sleeving (100 Ft/Roll)
SY505303-100	1/2" Expandable Sleeving (100 Ft/Roll)
SY505304-100	3/4" Expandable Sleeving (100 Ft/Roll)
SY505306-100	1 1/4" Expandable Sleeving (100 Ft/Roll)

## Convuluted Wire Loom



	Diameter	Length	Material
SY5685-025	1/4"	25'	Nylon
SY5685-100	1/4"	100'	Nylon
SY5687-025	3/8"	25'	Nylon
SY5687-100	3/8"	100'	Nylon
SY5688-025	1/2"	25'	Nylon
SY5688-100	1/2"	100'	Nylon
SY5690-100	3/4"	100'	Nylon
SY5691-025	1"	25'	Nylon
SY505201-050	1/4"	50'	Poly
SY505203-050	1/2"	50'	Poly

## Primary Wire Type GPT/PVC



• Sold in spools of 100' (30.5m)

• Recommended temperature range  
-40°F to +176°F (-40°C to +80°C)

• For use whenever SAE J-1128 specifies  
general circuit wiring

• Se venden en rollos de 100 pies (30,5 m)

• Para uso cuando la norma SAE J-1128 especifica el cableado  
del circuito general

• Vendus en bobines de 30,5 m (100 ")

• Pour une utilisation à chaque fois que le SAE J-1128 requiert un  
câblage du circuit général

### 10ga

SY10GA-BLK	Black
SY10GA-BLU	Blue
SY10GA-RED	Red
SY10GA-WHT	White

### 12ga

SY12GA-BLK	Black
SY12GA-BLU	Blue
SY12GA-BRN	Brown
SY12GA-GRN	Green
SY12GA-ORG	Orange
SY12GA-RED	Red
SY12GA-WHT	White
SY12GA-YLW	Yellow

### 14ga

SY14GA-BLK	Black
SY14GA-BLU	Blue
SY14GA-BRN	Brown
SY14GA-GRN	Green
SY14GA-ORG	Orange
SY14GA-RED	Red
SY14GA-WHT	White
SY14GA-YLW	Yellow

### 16ga

SY16GA-BLK	Black
SY16GA-BLU	Blue
SY16GA-BRN	Brown
SY16GA-GRN	Green
SY16GA-ORG	Orange
SY16GA-RED	Red
SY16GA-WHT	White
SY16GA-YLW	Yellow

### 18ga

SY18GA-BLK	Black
SY18GA-BLU	Blue
SY18GA-BRN	Brown
SY18GA-GRN	Green
SY18GA-ORG	Orange
SY18GA-RED	Red
SY18GA-WHT	White
SY18GA-YLW	Yellow

## Arctic Ultraflex Blue™



Arctic Ultraflex Blue™ is the premier “Arctic Grade” primary/machine tool wire and cable that is rated and proven to work in extreme temperature ranges. This revolutionary product combines fine tuned copper construction with a jacket material designed to be resistant to the abuses of oil, gasoline, sunlight, salt water, acids and chemicals.

- -67°F to +221°F (-55° to 105°C)
- Underwriters laboratories listed MTW 600v
- Canadian Standards Association TEW or AWM 105°C
- Passes UL/CSA vertical flame test

Arctic Ultraflex Blue™ es el primer cable y alambre de “Grado Ártico” primario y para máquinas-herramientas que ha sido clasificado y comprobado que funciona en rangos de temperaturas extremas. Este producto revolucionario combina una construcción de cobre templado fino con un material protector diseñado para ser resistente a los abusos de aceite, gasolina, luz solar, agua salada, ácidos y productos químicos.

Arctic Ultraflex Blue™ constitue la première machine-outil au « standard Arctique » de production de câbles et de fils électriques ayant fait ses preuves lors de son utilisation dans des conditions de température extrêmes. Ce produit révolutionnaire combine une construction minutieuse de cuivre dotée d’un matériau protecteur le rendant résistant aux agressions de l’huile, de combustible, des rayons solaires, de l’eau de mer, des acides et des produits chimiques.

### Insulation Properties

Test	Test Method	Results
Specific gravity (±.02)	ASTM D-792	122
Durometer shore “A”	ASTM D-2240	77/65
<b>(±.02) INST./15 seconds</b>		
Tensile strength (60 mil)	ASTM D-412	1514
Elongation (%)	ASTM D-412	300
Brittle point (C)	ASTM D-746	55
Oxygen index %	ASTM D-2863	25.0
<b>Oil Aged 18 Hours @ 121°C</b>		
% Retention of Tensiles	UL Standard	129
% Retention of Elongation	UL Standard	72
<b>Air Aged 7 Days @ 136°C</b>		
% Retention of tensiles	ASTM D412-80	109
% Retention of elongation	ASTM D412-80	100
<b>Oil Aged 7 Days @ 60°C</b>		
% Retention of tensiles	ASTM D412-80	124
% Retention of elongation	ASTM D412-80	89
VW-1 flame test	UL Standard	Pass
Product cold bend test	UL Standard	Pass
Voltage rating	UL Standard	600

### Construction Specifications

	Copper Ga	Stranding	Conductor OD	Insulation Thickness	Weight/ MFT	Finished OD
18	(16/30)TC	.04"	1mm	.03" .8mm	10lb 4.5kg	.12" 3mm
16	(26/30)TC	.05"	1mm	.03" .8mm	14lb 6.3kg	.12" 3mm
14	(41/30)TC	.70"	18mm	.03" .8mm	19lb 8.6kg	.13" 3mm
12	(65/30)TC	.89"	23mm	.03" .8mm	31lb 14.0kg	.15" 4mm
10	(105/30)TC	.11"	3mm	.03" .8mm	42lb 18.9kg	.18" 5mm
8	(168/30)BC	.144"	4mm	.045" 1mm	78lb 35kg	.285" 7mm
6	(266/30)BC	.204"	5mm	.06" 2mm	115lb 52kg	.330" 8mm
4	(420/30)BC	.257"	7mm	.06" 2mm	165lb 74kg	.380" 10mm
2	(665/30)BC	.338"	9mm	.06" 2mm	263lb 118kg	.470" 12mm
1	(836/30)BC	.365"	9mm	.08" 2mm	350lb 158kg	.545" 14mm
1/0	(1064/30)BC	.451"	11mm	.08" 2mm	440lb 198kg	.610" 15mm
2/0	(1330/30)BC	.496"	13mm	.08" 2mm	545lb 245kg	.680" 17mm
3/0	(1666/30)BC	.533"	14mm	.08" 2mm	648lb 292kg	.705" 18mm
4/0	(2107/30)BC	.670"	17mm	.08" 2mm	793lb 357kg	.830" 20mm

# Cable & Wire Cables & Alambres Câbles & Fils Électriques

## Arctic Ultraflex Blue™ Wire

- -55° to 105°C (-67°F - 221°F)
- Sold in 100' (30.5m) and 500' (152.4m) reels
- Bulk quantities available

- -55° to 105°C (-67°F - 221°F)
- Se venden en rollos de 100 (30,5 m) y 500' pies (152.4m)
- Cantidades de alto volumen están disponibles

- -55° to 105°C (-67°F - 221°F)
- Vendus en segments de 30,50 m (100"), et 152,25 m (500")
- Quantités en bloc disponibles

### 18ga

SYAB18GA-BLK-100	
SYAB18GA-BLK-500	
SYAB18GA-BLU-100	
SYAB18GA-BLU-500	
SYAB18GA-BRN-100	
SYAB18GA-BRN-500	
SYAB18GA-GRY-100	
SYAB18GA-GRY-500	
SYAB18GA-GRN-100	
SYAB18GA-GRN-500	
SYAB18GA-ORG-100	
SYAB18GA-ORG-500	
SYAB18GA-RED-100	
SYAB18GA-RED-500	
SYAB18GA-WHT-100	
SYAB18GA-WHT-500	
SYAB18GA-YLW-100	
SYAB18GA-YLW-500	

### 16ga

SYAB16GA-BLK-100	
SYAB16GA-BLK-500	
SYAB16GA-BLU-100	
SYAB16GA-BLU-500	
SYAB16GA-BRN-100	
SYAB16GA-BRN-500	
SYAB16GA-GRY-100	
SYAB16GA-GRY-500	
SYAB16GA-GRN-100	
SYAB16GA-GRN-500	
SYAB16GA-ORG-100	
SYAB16GA-ORG-500	
SYAB16GA-RED-100	
SYAB16GA-RED-500	
SYAB16GA-WHT-100	
SYAB16GA-WHT-500	
SYAB16GA-YLW-100	
SYAB16GA-YLW-500	

### 14ga

SYAB14GA-BLK-100	
SYAB14GA-BLK-500	
SYAB14GA-BLU-100	
SYAB14GA-BLU-500	
SYAB14GA-BRN-100	
SYAB14GA-BRN-500	
SYAB14GA-GRY-100	
SYAB14GA-GRY-500	
SYAB14GA-GRN-100	
SYAB14GA-GRN-500	
SYAB14GA-ORG-100	
SYAB14GA-ORG-500	
SYAB14GA-PUR-100	
SYAB14GA-PUR-500	
SYAB14GA-RED-100	
SYAB14GA-RED-500	
SYAB14GA-WHT-100	
SYAB14GA-WHT-500	
SYAB14GA-YLW-100	
SYAB14GA-YLW-500	

### 12ga

SYAB12GA-BLK-100	
SYAB12GA-BLK-500	
SYAB12GA-BLU-100	
SYAB12GA-BLU-500	
SYAB12GA-BRN-100	
SYAB12GA-BRN-500	
SYAB12GA-GRY-100	
SYAB12GA-GRY-500	
SYAB12GA-GRN-100	
SYAB12GA-GRN-500	
SYAB12GA-ORG-100	
SYAB12GA-ORG-500	
SYAB12GA-PUR-100	
SYAB12GA-PUR-500	
SYAB12GA-RED-100	
SYAB12GA-RED-500	
SYAB12GA-WHT-100	
SYAB12GA-WHT-500	
SYAB12GA-YLW-100	
SYAB12GA-YLW-500	

### 10ga

SYAB10GA-BLK-100	
SYAB10GA-BLK-500	
SYAB10GA-BLK-BULK	
SYAB10GA-BLU-100	
SYAB10GA-BLU-500	
SYAB10GA-BRN-500	
SYAB10GA-GRY-100	
SYAB10GA-GRY-500	
SYAB10GA-GRN-100	
SYAB10GA-GRN-500	
SYAB10GA-ORG-100	
SYAB10GA-ORG-500	
SYAB10GA-RED-100	
SYAB10GA-RED-500	
SYAB10GA-WHT-100	
SYAB10GA-WHT-500	
SYAB10GA-YLW-100	
SYAB10GA-YLW-500	

## Arctic Ultraflex Blue™ Cable

- Sold in 50' (15.25m) increments, add -desired length to end of part number ex: SYAB8GA-BLK-100 = 100' of Black 8ga
- -55° to 105°C (-67°F - 221°F)

- Se venden en incrementos de 50' (15.25m), agregue la longitud preferida al final del número de parte: Ej. SYAB8GA-BLK-100 = 100' con un calibre de 8 (8GA) y de color negro (BLK).

- Vendus en segments de 15,25 m (50"), ajoutez la longueur désirée à la suite du numéro de pièce
- -55° to 105°C (-67°F - 221°F)

### 8ga

SYAB8GA-BLK	
SYAB8GA-BLU	
SYAB8GA-GRN	
SYAB8GA-RED	
SYAB8GA-WHT	

### 6ga

SYAB6GA-BLK	
SYAB6GA-BLU	
SYAB6GA-RED	
SYAB6GA-WHT	
SYAB6GA-GRN/YLW	

### 4ga

SYAB4GA-BLK	
SYAB4GA-BLU	
SYAB4GA-GRN	
SYAB4GA-RED	
SYAB4GA-WHT	

### 2ga

SYAB2GA-BLK	
SYAB2GA-BLU	
SYAB2GA-GRN	
SYAB2GA-RED	

### 1ga

SYAB1GA-BLK	
SYAB1GA-BLU	
SYAB1GA-RED	

### 1/0

SYAB1/0-BLK	
SYAB1/0-BLU	
SYAB1/0-GRN	
SYAB1/0-RED	
SYAB1/0-WHT	

### 2/0

SYAB2/0-BLK	
SYAB2/0-BLU	
SYAB2/0-GRN	
SYAB2/0-RED	
SYAB2/0-WHT	

### 3/0

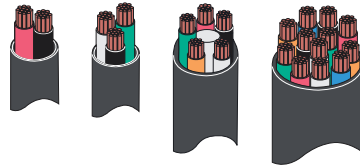
SYAB3/0-BLK	
SYAB3/0-RED	

### 4/0

SYAB4/0-BLK	
SYAB4/0-BLU	
SYAB4/0-RED	

# Cable & Wire Cables & Alambres Câbles & Fils Électriques

## Conductor Cable



	Conductors	Wire
SY58559	2	16ga
SY95622	2	16ga
SY41421	2	18ga
SY76433	2	18ga
SY95631	2	18ga
SY95613	3	10ga
SY95615	3	12ga
SY95615	3	12ga
SY95617	3	14ga
SY95618	3	14ga
SY1603	3	16ga
SY95624	3	16ga
SY43530	3	18ga
SY58561	3	18ga

	Conductors	Wire
SY88522	3	18ga
SY88523	3	18ga
SY95632	3	18ga
SY95614	4	10ga
SY109710	4	12ga
SY95619	4	14ga
SY95620	4	16ga
SY95625	4	16ga
SY95626	4	16ga
SY95633	4	18ga
SY95634	4	18ga
SY43528	5	18ga
SY95627	6	16ga
SY58564	6	18ga

	Conductors	Wire
SY95616	8	12ga
SY88270	8	18ga
SY95635	8	18ga
SY58565	10	16ga
SY58563	12	16ga
SY95628	12	18ga
SY95633	14	18ga
SY88270	18	8ga
SY95629	19	18ga
SY95630	19	18ga
SY95621	20	16ga
SY95623	30	16ga
SY95637	4/8	12/18ga
SY95638	5/4	18/20ga

## Connectors

### Deutsch Receptacles



SYDT04-2P	DT Series - 2 Pin
SYDT04-2P	DT Series - 2 Pin
SYDT04-3P	DT Series - 3 Pin
SYDT06-4S	DT Series - 4 Pin
SYDT04-6P	DT Series - 6 Pin
SYDTP04-4P	DTP Series - 4 Pin

### Deutsch Plug

### Connector Plugs



SYDT04-3P	DT Series - 3 Pin
SYHD34-24-23PN	HD30 Series - 23 Pin
SYHD34-24-23SN	23 Socket
SYHD36-24-21SN	HD30 Series - 21 Socket
SYHD36-24-23SN-072	HD30 Series - 24 Socket
SYHD34-24-31PT	HD30 Series - Thin Wall - 31 Pin
SYHD34-18-14PN	HD30 Series - 14 Pin

### Deutsch Pin Terminal



SY0460-202-16141	Solid Nickel - 16-18ga
------------------	------------------------

### Deutsch Pin



SY0460-215-16141	Solid Nickel - 14-16ga
------------------	------------------------

# Cable & Wire Cables & Alambres Câbles & Fils Électriques

**Deutsch Socket Terminal** SY0462-201-16141 Solid Nickel - 16-18ga



**Deutsch Socket** SY0462-209-16141 Solid Nickel - 14-16ga

**Deutsch Pin** SY0460-204-12141 Solid Nickel - 12-14ga

**Deutsch Socket** SY0462-203-12141 Solid Nickel - 12-14ga



**Deutsch Sealing Plugs** SY0413-204-2005 18-20ga



SY114017 14-16ga

**Deutsch Wedgelock** SYWM-4P 4 Pin



**Terminal Cable Clamp Assemblies** SY0409-201-2400 HD30 Series - 24 Shell

SY0409-201-1800 HD30 Series - 18 Shell



## Cordgrip

**Black Liquid Tight** SYM4340 M20 .17 - .45" Cable Diameter

SYM3213 PG11 .23 - .395" Cable Diameter



**Grey Liquid Tight** SYM3235 3/4 NPT .435 - .705" Cable Diameter

SYM3232 1/2 NPT .17 - .45" Cable Diameter

SYM8438 1" NPT .59 - 1" Cable Diameter



## Deutsch Removal Tools

SY0411-310-1605 Size 16 16-18ga Light Blue

SY0411-291-1405 Size 14 14-16ga Green

SY114010 Size 12 12ga Yellow

SY114008 Size 8 8-10ga Green

SY114009 Size 4 6ga White



## Battery Clips

SY120198-200 Charging Clips with Vinyl Boots

SY120199-200

Alligator Clips with Vinyl Boots



# Cable & Wire Cable & Alambre Câbles & Fils Électriques

## SAFE-T-CONNECT™ Booster Cable Assemblies

- 1 Booster cable  
Twin 4ga Vu-Tron® welding cable
- 1 Vehicle harness  
4ga color coded neoprene welding cable



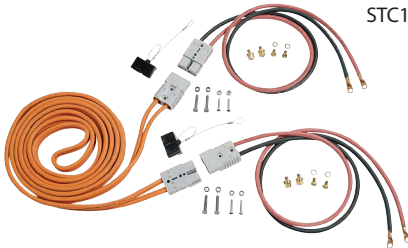
STC164	16'/4.9m booster assembly
STC164/ET	16'/4.9m booster assembly w/ polarity indicator
STC254	25'/7.6m booster assembly
STC254/ET	25'/7.6m booster assembly w/ polarity indicator
STC304	30'/9.1m booster assembly
STC304/ET	30'/9.1m booster assembly w/ polarity indicator
STC302	30'/9.1m booster cable
STC302/ET	30'/9.1m booster cable w/ polarity indicator
STC302C	30'/9.1m jumper cable
STC352/ET	35'/9.1m booster cable w/ polarity indicator



STC352/ET	35'/9.1m booster cable w/ polarity indicator
STC202/ET	20'/6.0m Arctic Ultra Flex Blue booster assembly w/ polarity indicator
STC252	25'/7.6m Arctic Ultra Flex Blue booster assembly
STC252/ET	25'/7.6m Arctic Ultra Flex Blue booster assembly w/ polarity indicator

## SAFE-T-CONNECT™ Fleet Assembly

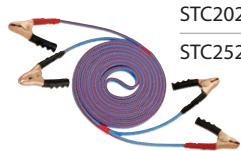
- 1 Fleet booster cable with connectors on both ends  
Twin ga Vu-Tron® welding cable,
- 2 Vehicle harnesses



STC164-A

## SAFE-T-CONNECT™ 200 Series

- 2ga Arctic Ultra Flex Blue booster cable assembly, clamps each end



STC202C	25' 6m booster assembly
STC252C	25' 7.6m booster assembly

## SAFE-T-CONNECT™ 924 Series

- 4ga Booster cable assembly, clamps each end



STC924-16 16' 5m booster assembly

## Commercial Heavy Duty



SY602330-001	1ga	20'	SY602380-001	1/0	25'
SY602340-001	1ga	25'	SY602390-001	2/0	20'
SY602360-001	1ga	30'	SY602400-001	2/0	25'
SY602370-001	1/0	20'	SY602410-001	2/0	30'

## Tools Herramientas Outils

Tensioning & Cutoff	Part #	Features	Tensioning & Cutoff	Part #	Features
MK7HT 	SYMK7HT	<ul style="list-style-type: none"> <li>• Increased tension range</li> <li>• Non-slip grip handles</li> </ul>	MK9HT 	SYMK9HT	<ul style="list-style-type: none"> <li>• Accomodates a wider variety of sizes with an increased tension range</li> <li>• Non-slip grip handles</li> </ul>
MK9 	SYMK9	<ul style="list-style-type: none"> <li>• Accomodates a wider variety of sizes</li> <li>• Non-slip grip handles</li> </ul>	TytonTwister 	SYTWT1	<ul style="list-style-type: none"> <li>• Economical, efficient, pocket-size twist tool</li> <li>• Non-slip grip handles</li> </ul>

Comfort Crimp™ 	SY289	<ul style="list-style-type: none"> <li>• Installs nylon and vinyl insulated terminals, disconnects, and splices from 22 - 10ga</li> <li>• Shure-Stake® ratchet mechanism helps to ensure a complete crimp cycle before tool release</li> <li>• Die embossement terminal locator</li> <li>• Color-coded die nests on both sides of the tool included for insulated terminals</li> </ul>
---	-------	--

### 1309 Series



Part #	Old #	Contacts	Wire Size	Pullout Value	Tool Cavities	
1309G1	1374	1202G1	14-16ga	2.5-1.5mm <sup>2</sup>	Cavity C 14-16awg	
		1203G1	14-16ga	2.5-1.5mm <sup>2</sup>	30-50lb	
1309G2	1351G1	1331	12-16ga	4.0-1.5mm <sup>2</sup>	70-30lb	
		1332	16-20ga	2.5-0.5mm <sup>2</sup>	30-13lb	
1309G3	1352G2	261G2-LPBK	10-14ga	6.0-2.5mm <sup>2</sup>	80-50lb	
1309G4	1352G1	1307	6ga	16.0mm <sup>2</sup>	100lb	Cavity A 14awg
		5900	6ga	16.0mm <sup>2</sup>	100lb	Cavity B 10-12awg
		5914	10-12ga	6.0-4.0mm <sup>2</sup>	80lb	Cavity C 12-16awg
		5915	10-12ga	6.0-4.0mm <sup>2</sup>	80-70lb	Cavity D 16-20awg
		5952	8ga	10.0mm <sup>2</sup>	90lb	
		903G1	6ga	16.0	100lb	
904G1	10-12ga	6.0-4.0mm <sup>2</sup>	80-70lb			

### Compound Action Crimper



Part #	Length	Features
SY293	9 1/8" 232mm	<ul style="list-style-type: none"> <li>• Wire range 22 - 10ga</li> <li>• Elliptical shaped nest for crimping insulated terminals</li> </ul>

### Cub™ Crimper



Part #	Features
SY4245-001	
SY4245-001K	Cub repair kit: 2 hex dies 8ga - 1/0, 2 pins with springs, 2 "L" brackets and 2 nuts



# Tools Herramientas Outils

## Power Crimp™

- Crimps 8 - 2awg in four cavities
- Crimp cavities are fully machined and manufactured to industry specifications
- Cavities are identified by wire sizes and product type
- Toggle action which assures a complete crimp
- A ratchet controlled full cycle tool is available
- Remaches 8 - 2awg en cuatro cavidades
- Las cavidades del remache están hechas totalmente a máquina y fabricadas según las especificaciones de la industria
- Las cavidades se identifican por tamaños de alambre y tipo de producto
- Accionamiento por palanca que garantiza un engarzado completo
- Se encuentra disponible una herramienta de ciclo completo controlada por trinquete
- Matrices de 8 - 2 awg avec quatre encoches
- Les encoches à sertir sont usinées et fabriquées aux standards de l'industrie
- Les encoches sont identifiées par taille de fil et type de produit
- Le mécanisme basculant assure un sertissage parfait
- Un outil à cycle complet contrôlé par cliquet est également disponible



### Part #

SY291

## Crimper

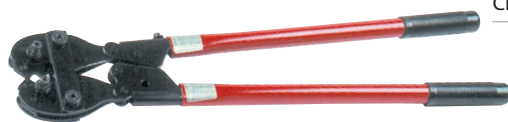
- 8ga to 4/0
- Adjustable rotating dies, always in tool
- 8ga to 4/0
- Troqueles giratorios ajustables, siempre en la herramienta
- 8ga to 4/0
- Matrices rotatives et ajustables, toujours présentes sur l'outil



	Hex Crimp	Diamond Crimp	Hex Crimp Jr.
Hand-Held Crimper	SY4255-001	SY4252-001	SY4247-001
Hand-Held with Ratchet	SY4255-001R	SY4252-001R	SY4247-001R
Bench-Mount Crimper	SY4255-001M	SY4252-001M	
Bench-Mount Crimper w/ Ratchet	SY4255-001MR	SY4252-001MR	

## Heavy Duty Crimper

- Sizes 6ga - 4/0, recommended for battery connectors
- Clearly marked die setting instructions
- Eight position die setting
- No disassembly required to change die setting
- Tamaños 6ga - 4/0, recomendados para conectores de batería
- Las instrucciones de ajuste de los troqueles se indican con claridad
- Ocho posiciones de ajuste de los troqueles
- No se requiere el desmontaje para cambiar el ajuste de los troqueles
- Tailles de 6 ga - 4/0 (4,1 mm / 4/0), recommandées pour connecteurs de batteries
- Les instructions de réglage des matrices sont clairement identifiées
- Huit réglages différents de la position de la matrice
- Désassemblage non requis pour changer le réglage de la matrice



### Part #

Crimper

SY283

## Heavy Duty Triangular Compression Crimper

- Sizes 8ga - 250mcm, recommended for battery terminals, splices and heavy duty lugs
- Dieless, no rotating dies, two finger cable size adjustment
- Bench tool has angle iron mounting brackets, good visibility of crimp location and requires less force
- Tamaños 8ga - 250mcm, recomendados para bornes de batería, empalmes y terminales de alta resistencia
- Ajuste del tamaño del cable de dos dedos, sin troquel, sin troqueles giratorios
- El banco de herramientas cuenta con soportes de montaje con ángulos de hierro, una buena visibilidad del engarce ubicación y requiere menos fuerza
- Tailles de 8 ga – 250 mcm (3,263 mm / 127 mm2), recommandées pour les bornes de batteries, les épissures et pattes de force
- Découpe sans outil, pas de matrices rotatives, ajustement de la taille du câble au moyen de deux doigts seulement
- Le banc de l'outil dispose de supports de fixation à cornières en fer, permet une bonne visualisation de l'emplacement à sertir et nécessite moins de force



	Part #
Crimper	SY282
Bench Mount Version	SY286

## Professional Crimper

- Sizes 6ga - 250mcm, recommended for battery terminals, lugs and connector cables
- Compound action exerts maximum force for fast, reliable crimps every time. One screw adjustment provides for easy calibration to compensate for die wear. Diamond shape crimp compresses all strands together to form a solid mass of copper, assuring a low resistance connection.
- Controlled cycle (ratchet) mechanism is a quality control device – once a crimp is started, the tool will not open until the crimp is completed. Quick release lever allows tool to open any time.
- Tamaños 6ga - 250mcm, recomendado para terminales de batería, terminales y conectores del cable
- La acción conjunta ejerce siempre la máxima fuerza para engarces rápidos y confiables Un tornillo de ajuste proporciona una fácil calibración para compensar el desgaste del troquel La forma de diamante del engarce comprime todas las hebras para formar una masa sólida de cobre, asegurando una conexión de baja resistencia
- El mecanismo de ciclo controlado es un dispositivo de control de calidad – una vez se comience un remache, la herramienta no se abrirá hasta que el remache esté terminado La palanca de desenganche rápido permite abrir la herramienta en cualquier momento
- Tailles de 6 ga – 250 mcm (3,263 mm / 127 mm2), recommandées pour les bornes de batteries, les épissures et câbles de connecteurs
- L'action combinée exerce une force maximale pour des sertissages rapides et fiables à chaque utilisation L'ajustement au moyen d'une seule vis procure un calibrage facile pour compenser l'usure de la matrice Le sertissage en forme de diamant comprime tous les torons ensemble pour former une masse solide de cuivre qui assurera une connexion offrant une faible résistance
- Le mécanisme contrôlé par cliquet permet de s'assurer de la qualité – une fois qu'un sertissage débute, l'outil ne s'ouvrira pas tant que le sertissage n'est pas terminé Le levier de déverrouillage rapide permet d'ouvrir l'outil à tout moment



	Part #	Length	Weight
Crimper	SY94284	25" 635mm	5.9lb 2.7kg
Bench Mount Version (pictured)	SY94284-BM	20" 508mm	7.8lb 3.5kg
Crimper w/ Controlled Cycle Mechanism	SY94285	25" 635mm	6.2lb 2.8kg
Controlled Cycle Mechanism Only (to retrofit SY94284)	SY94286	2" 51mm	6oz 168g

## Universal Dieless, Hand Held Hydraulic Crimping Tool

- Crimps insulated and non-insulated terminals sizes 8ga - 4/0
- Insulated handles



**Part #**  
SY294

## Universal Dieless, Hydraulic Crimping Tool

- Crimps 8ga - 4/0 contacts and terminals
- 4 indent crimp



**Part #**  
1368

## 6 Ton Battery Operated Crimping Tool

- Powered by a 14.4v, 3amp-hr battery
- Ergonomically designed intergal hand guard
- Quick install hexagonal crimping dies



**Part #**  
1370

### Die Sets

1322G1	EBC 320 95MM	1322G3	2/0	1322G5	#2 AWG
1322G2	EBC 320 70MM	1322G4	1/0	1322G6	#5 AWG
				1322G9	#6 AWG

## 6 Ton Hand Operated Crimping Tool

- Compact design
- Spring loaded handles
- Quick install hexagonal crimping dies



**Part #**  
1387G3

### Die Sets

1322G1	EBC 320 95MM	1322G3	2/0	1322G5	#2 AWG
1322G2	EBC 320 70MM	1322G4	1/0	1322G6	#5 AWG
				1322G9	#6 AWG

## Pneumatic Crimpers

- 4-Indent style crimp
- Cycle controlled
- Bench mountable



### Part #

1387G1	Standard duty
1387G2	Heavy duty (pictured)
1391G1	Foot switch

\* Die and locators Sold Separately  
Contact your sales representative for die and locator selection guide

# Tools Herramientas Outils

## Die & Locator Listing for 1387G1, 1387G2 Pneumatic Crimper Product Family

	Wire Size	Contact	Bushing	Pneu Part #	Die P/N	Locator
PP75/SB50 W/O Bushing	6ga High Det	5900	n/a	1387G1	1388G6	1389G6
	6ga Low Det	1307	n/a	1387G1	1388G6	1389G6
	8ga	5952	n/a	1387G1	1388G6	1389G6
	10 - 12ga	5915	n/a	1387G1	1388G7	1389G7
	10ga Thin Wall	5914	n/a	1387G1	1388G7	1389G7
PP75/SB50 W/ Bushing	8ga	5900	5912	1387G1	1388G7	1389G7
	10 - 12ga	5900	5910	1387G1	1388G7	1389G7
	14 - 16ga	5900	5913	1387G1	1388G7	1389G7
PP120 W/O Bushings	2ga	6811G1	n/a	1387G1	1388G4	1389G4
	4ga	1319G4	n/a	1387G1	1388G4	1389G4
	6ga	1319G6	n/a	1387G1	1388G4	1389G4
SB120 W/ Bushings	2ga	6811G1	n/a	1387G1	1388G4	1389G4
	2ga Low Det	6811G6	n/a	1387G1	1388G4	1389G4
	4ga	6811G2	n/a	1387G1	1388G4	1389G4
	4ga Low Det	6811G5	n/a	1387G1	1388G4	1389G4
	6ga	6811G3	n/a	1387G1	1388G4	1389G4
	6ga Low Det	6811G4	n/a	1387G1	1388G4	1389G4
PP180/SB175 W/O Bushings	1/0	1382	n/a	1387G1	1388G3	1389G3
	1ga	1347	n/a	1387G1	1388G3	1389G3
	2ga	1383	n/a	1387G1	1388G3	1389G3
	4ga	1384	n/a	1387G1	1388G5	1389G5
	6ga	1348	n/a	1387G1	1388G3	1389G3
PP180/SB175 W/ Bushings	1ga	1382	5687	1387G1	1388G3	1389G3
	2ga	1382	5690	1387G1	1388G3	1389G3
	4ga	1382	5693	1387G2	1303G4	1304G4
	6ga	1382	5663	1387G2	1303G4	1304G4
	10ga	1382	5648	1387G2	1303G4	1304G4
SB350 W/O Bushings	300mcm	910	n/a	1387G2	n/a	n/a
	4/0	908	n/a	1387G2	1303G3	1304G3
	3/0	916	n/a	1387G1	1388G2	1389G2
	2/0	907	n/a	1387G1	1388G2	1389G2
	1/0	917	n/a	1387G1	1388G9	1389G2
SB350 W/Bushings	1/0	907	5918	1387G1	1388G3	1389G3
SB060/SBE80/SBE/X160/ 175/320/350 W/O Bushings	35mm	6384G2	n/a	1387G2	1303G2	1304G2
	4/0	6356	n/a	1387G2	1303G9	1304G9
SB060/SBE80/SBE/X160/ 175/320/350 W/O Bushings	3/0	6355	n/a	1387G2	1303G9	1304G9
	2/0	6354	n/a	1387G1	1388G2	1389G2
	1/0	6384G1	n/a	1387G1	1388G3	1389G3
SB060/SBE80/SBE/X160/ 175/320/350 W/ Bushings	1ga	6384G1	5687	1387G1	1388G3	1389G3
	2ga	6384G1	5690	1387G1	1388G3	1389G3
	4ga	6384G1	5693	1387G2	1303G4	1304G4
	6ga	6384G1	5663	1387G1	1388G3	1389G3
	10ga	6384G1	5648	1387G2	1303G4	1304G10

# Tools Herramientas Outils

## Battery Cable Crimper

- Crimps all types of battery cables
- Crimps lug sizes 6ga - 4/0
- Indicator pin to indicate proper crimp depth
- Prensa todo tipo de cables de batería
- Prensa terminales de tamaño 6 ga - 4/0
- Pasador para indicar la profundidad adecuada
- Permet le sertissage de tous types de câbles de batteries
- Tailles des encoches de sertissages de 6 ga - 4/0 (4,1 mm – 4/0)
- Tige indicatrice permet de spécifier une profondeur spécifique de sertissage



Part #	Length	Weight
SY50105	3.75" 95mm	1.86lb 842g

## Compact Crimper



Part #	Length	Weight	
SY94840	3.75" 95mm	1.5lb 680g	Accommodates battery terminals sizes 6ga - 4/0

## Light Duty Compact Crimper



Part #	Length	Weight	
SYSKT-840	3.75" 95mm	1.5lb 680g	Crimps non-insulated wire sizes 6ga - 4/0

## Cut / Strip / Crimp

SY9968

Cuts, strips and crimps up to 10ga wire



## AM Stripper / Slitters

SYAM25

For round cable from .18" up to 1.0" (5mm to 25mm)



SY1222180

Replacement blades pkg = 2

## Cut / Strip

SY420190-001

Cuts and strips 10-24ga round insulated wire and cable



SYAM35

For Round Cable from 1.0" up to 1.4" (25mm to 36mm)



SY4216-001

SYAM35 Replacement blades

# Tools Herramientas Outils

## Stripax Pro 6 Stripper



SY1113

Industry standard for precision stripping

## Heavy Duty Cutters



SY4285-001

Hand operated



SY4285-001M

Bench mount

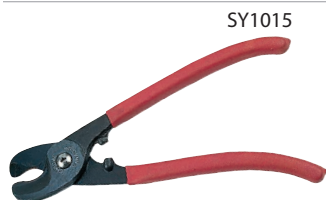
## 17" Cutter



SY1014

Cuts up to 4/0

## 9" Cutter



SY1015

Cuts up to 2/0

## Angle Nose Pliers



SYLCS860

Forged steel construction, insulated handles

## Terminal Spreader



SYL858C

Forged steel construction, insulated handles

## Post Terminal Brush



SY120121-010

## Clamp Connector Lifter



SY120191-010

## Side Terminal Ratchet Wrench



SY120195-010

## Battery Post Drill Bit



SY9942-000

## Scissors Battery Carrier



SY120153-010

## Side Lift Battery Carrier



SY120154-010

## Strap Battery Carrier



SY120155-010

## TSS-D 36 160 C 240

### Electricity Phase

**TSS-D** : Single Phase Digital  
**TST-D** : 3 Phase Digital  
**REC** : Single Phase

### Input Voltage

**120** : 110, 115, 120, 125, 130  
**240** : 200, 208, 220, 240, 250  
**3** : 208, 240, 480

### Battery Voltage

12	48
24	72
36	80

### Size of Charger

**S** : 10" x 8" x 12"  
**A** : 17 1/4" x 11 1/2" x 10 3/4"  
**B** : 20" x 13 3/4" x 10 3/4"  
**C** : 20" x 14 1/2" x 28"  
**M** : 25 1/2" x 20" x 42"

### Current amps DC

10	40	140
15	60	160
20	80	180
25	100	200
30	120	

### Formula:

Current amps x 5.1 = 8-10 hour charge rate

### Example:

A 100AMP charger puts approximately 510AMPS back in a battery in 8-10 hours

### TSS-D Digital



- |   |   |  |
|---|---|--|
| <ul style="list-style-type: none"> <li>• Single phase input</li> <li>• USA input voltage: 200-208-220-240-250</li> <li>• Meets UL and CSA standards</li> <li>• Fully automatic</li> <li>• Equalization system</li> <li>• Digital display: volt/Cell, Current, Capacity Charged, Time of Charge, Error Messages</li> <li>• 3-second delay on start, to avoid sparks</li> <li>• Automatic start, battery shut-down on battery disconnection</li> <li>• Easy adjustment of input voltage, with transformer taps</li> </ul> | <ul style="list-style-type: none"> <li>• Entrada monofásica</li> <li>• Tensión de entrada en EE.UU.: 200-208-220-240-250</li> <li>• Cumple con las normas UL y CSA</li> <li>• Totalmente automático</li> <li>• Sistema de equalización</li> <li>• Pantalla digital: voltios/celda, Corriente, Capacidad cargada, Tiempo de carga, Mensajes de error</li> <li>• Retraso de 3 segundos en el arranque, para evitar chispas</li> <li>• Inicio automático, apagado de la batería cuando se desconecta la batería</li> </ul> | <ul style="list-style-type: none"> <li>• Entrée en monophasé</li> <li>• Tension d'entrée USA : 200-208-220-240-250</li> <li>• Satisfait aux normes UL et CSA</li> <li>• Totalement automatique</li> <li>• Système d'égalisation</li> <li>• Affichage numérique : Volt / Cell Actuel, capacité de charge, Durée de charge, Messages d'erreur</li> <li>• Délai de 3 secondes au démarrage afin d'éviter les étincelles</li> <li>• Démarrage automatique, arrêt de la batterie suite à son débranchement</li> </ul> |
|---|---|--|

Part #	Volt	Amp	Amp Hour	Weight
TSS-D24120C240	24v	120amp	564-660	99lbs
TSS-D24140C240	24v	140amp	658-770	117lbs
TSS-D24160C240	24v	160amp	752-880	170lbs
TSS-D36100C240	36v	100amp	470-550	143lbs
TSS-D36120C240	36v	120amp	564-660	152lbs
TSS-D36140C240	36v	140amp	650-770	161lbs
TSS-D36160C240	36v	160amp	765-880	177lbs
TSS-D4880C240	48v	80amp	376-440	119lbs

Part #	Volt	Amp	Amp Hour	Weight
TSS-D48100C240	48v	100amp	470-550	130lbs
TSS-D48120C240	48v	120amp	564-660	143lbs
TSS-D7260C240	72v	60amp	282-330	130lbs
TSS-D7280C240	72v	80amp	376-440	141lbs
TSS-D72100C240	72v	100amp	470-550	154lbs
TSS-D8040C240	80v	40amp	188-220	139lbs
TSS-D8060C240	80v	60amp	282-330	154lbs
TSS-D8080C240	80v	80amp	376-440	172lbs

# Chargers Cargadores Chargeurs

## TST-D Digital



- Three Phase
- USA input voltage: 208-240-480
- Meets UL and CSA standards
- Fully automatic
- Digital display: volt/Cell, Current, Capacity Charged, Time of Charge, Error Messages
- Autotest function
- Equalization system
- Automatic start, battery shut-down on battery disconnection
- Easy adjustment of input voltage, with transformer taps
- Trifásico
- Tensión de entrada en EE.UU.: 208-240-480
- Cumple con las normas UL y CSA
- Totalmente automático
- Pantalla digital: voltios/celda, Corriente, Capacidad cargada, Tiempo de carga, Mensajes de error
- Función de autotest
- Sistema de equalización
- Inicio automático, apagado de la batería cuando se desconecta la batería
- Triphasé
- Tension d'entrée USA : 208-240-480
- Satisfait aux normes UL et CSA
- Totalement automatique
- Affichage numérique : Volt / Cell Actuel, capacité de charge, Durée de charge, Messages d'erreur
- Fonction d'autotest
- Système d'égalisation
- Démarrage automatique, arrêt de la batterie suite à son débranchement

Part #	Volt	Amp	Amp Hour	Weight
TST-D2440A3	24v	40amp	188-220	106lbs
TST-D2460A3	24v	60amp	282-330	126lbs
TST-D2480A3	24v	80amp	376-440	137lbs
TST-D24100A3	24v	100amp	470-550	146lbs
TST-D24120A3	24v	120amp	564-660	150lbs
TST-D24140A3	24v	140amp	658-770	168lbs
TST-D24160B3	24v	160amp	752-880	170lbs
TST-D24180B3	24v	180amp	846-990	181lbs
TST-D24200B3	24v	200amp	940-1100	194lbs
TST-D3660A3	36v	60amp	282-330	130lbs
TST-D3680A3	36v	80amp	376-440	141lbs
TST-D36100A3	36V	100amp	470-550	161lbs
TST-D36120A3	36v	120amp	564-660	179lbs
TST-D36140B3	36v	140amp	658-770	199lbs
TST-D36160B3	36v	160amp	752-880	210lbs
TST-D36180B3	36v	180amp	846-990	229lbs
TST-D36200B3	36v	200amp	940-1100	243lbs

Part #	Volt	Amp	Amp Hour	Weight
TST-D4840A3	48v	40amp	188-220	124lbs
TST-D4850A3	48v	50amp	235-275	132lbs
TST-D4860A3	48v	60amp	282-330	146lbs
TST-D4880A3	48v	80amp	376-440	165lbs
TST-D48100A3	48v	100amp	470-550	181lbs
TST-D48120A3	48v	120amp	564-660	196lbs
TST-D48140B3	48v	140amp	658-770	218lbs
TST-D48160B3	48v	160amp	752-880	249lbs
TST-D48180B3	48v	180amp	846-990	269lbs
TST-D48200B3	48v	200amp	940-1100	291lbs
TST-D48220B3	48v	220amp	1316-1446	318lbs
TST-D72100B3	72v	100amp	470-550	207lbs
TST-D72160B3	72v	160amp	752-880	289lbs
TST-D8040A3	80v	40amp	188-220	146lbs
TST-D8080A3	80v	80amp	376-440	205lbs
TST-D80160B3	80v	160amp	752-880	284lbs

## Multivolt



- 3 phase 50/60 Hz input
- 24-80volt DC adjustable output
- MVC HF Controlled Charger
- The charge system is the IUa. The bulk current can be regulated from zero to maximum using a potentiometer, while the voltage threshold knob can be set to any of 12 values. Charge time is set with a timer and is normally 0-24 hours.
- Ideal for battery shops for recovering old sulfated batteries.
- Can also be used as a current generator, or to charge a single battery cell or small cell stacks.
- Customizeable
- Entrada trifásica de 50/60 Hz
- Salida de corriente continua ajustable de 24-80 voltios
- Cargador controlado MVC HF
- El sistema de carga es el IUa. La corriente de masa puede ser regulada de cero al máximo utilizando un potenciómetro, mientras que el botón de umbral de voltaje se puede ajustar a cualquiera de los 12 valores. El tiempo de carga se fija con un temporizador y normalmente está entre 0-24 horas.
- Ideal para tiendas de baterías para regenerar viejas baterías sulfatadas.
- También puede ser utilizado como un generador de corriente, o para cargar una sola elemento de la batería o pilas de elementos pequeños.
- Personalizable
- Entrée en triphasé, 50/60 Hz
- Sortie ajustable de 24 à 80 volts DC
- Chargeur contrôlé par MVC HF
- Le système de charge est celui de l'IUa. L'injection de courant peut être réglée depuis zéro jusqu'au maximum en utilisant un potentiomètre, alors que le bouton de réglage du seuil de tension peut être réglé sur une quelconque des 12 valeurs. La durée de charge est réglée avec un temporisateur et s'étend généralement de 0 à 24 heures
- Idéal pour les négociants en batteries pour la récupération des vieilles batteries sulfatées
- Peut également être utilisé comme générateur de courant, ou pour charger une seule cellule de batterie ou un petit ensemble de cellules
- Personnalisable

Part #	Volt	Input Voltage	Amp Hour	Weight
MVC24-80100D3	24-80v	208-240-480	0-100	259lbs
MVC24-80100D600	24-80v	600	0-100	259lbs



# Chargers Cargadores Chargeurs

Part #	Volt	Amp	Amp Hour	Weight
<b>Canada - input Voltages: default 600v (550-575-600-610-620 volt)</b>				
TST-D2440A600	24	40	188-220	106
TST-D2460A600	24	60	282-330	126
TST-D2480A600	24	80	376-440	137
TST-D24100A600	24	100	470-550	146
TST-D24120A600	24	120	564-660	150
TST-D24140A600	24	140	658-770	168
TST-D24160B600	24	160	752-880	170
TST-D24180B600	24	180	846-990	181
TST-D24200B600	24	200	940-1100	194
TST-D3660A600	36	60	282-330	130
TST-D3680A600	36	80	376-440	141
TST-D36100A600	36	100	470-550	161
TST-D36120A600	36	120	564-660	179
TST-D36140B600	36	140	658-770	199
TST-D36160B600	36	160	752-880	210
TST-D36180B600	36	180	846-990	229
TST-D36200B600	36	200	940-1100	243
TST-D4840A600	48	40	188-220	124
TST-D4850A600	48	50	235-275	132
TST-D4860A600	48	60	282-330	146
TST-D4880A600	48	80	376-440	165
TST-D48100A600	48	100	470-550	181
TST-D48120A600	48	120	564-660	196
TST-D48140B600	48	140	658-770	218

Part #	Volt	Amp	Amp Hour	Weight
<b>Canada - input Voltages: default 600v (550-575-600-610-620 volt)</b>				
TST-D48160B600	48	160	752-880	249
TST-D48180B600	48	180	846-990	269
TST-D48200B600	48	200	1185-1446	291
TST-D48220B600	48	220	1447-1667	310
TST-D7260A600	72	60	282-330	177
TST-D7280A600	72	80	376-440	194
TST-D72100B600	72	100	470-550	207
TST-D72120B600	72	120	564-660	249
TST-D7260A600	72	60	323-395	177
TST-D72140B600	72	140	658-770	269
TST-D72160B600	72	160	752-880	289
TST-D8040A600	80	40	188-220	154
TST-D8060A600	80	60	282-330	179
TST-D8080A600	80	80	376-440	205
TST-D80100B600	80	100	470-550	232
TST-D80120B600	80	120	564-660	258
TST-D80150B600	80	150	856-987	278
TST-D80140B600	80	140	658-770	273
TST-D80160B600	80	160	752-880	284
TST-D80180B600	80	180	846-990	298
TST-D80200B600	80	200	1316-1446	313
TST-D80220M600	80	220	1034-1210	397
TST-D80280M600	80	280	1316-1540	430

## TSS Multivolt



- 12, 24, 36, 48volt DC output
  - Single phase
  - USA input voltage:  
110-130 AC 60 Hz
  - Manual timer
- 12, 24, 36, 48volt DC output
  - Monofásico
  - Tensión de entrada en EE.UU.:  
110-130 AC 60Hz
  - Temporizador manual
- 12, 24, 36, 48volt DC output
  - Monophasé
  - Tension d'entrée USA :  
110-130AC 60Hz
  - Temporisateur manuel

Part #	Volt	Amp	Amp Hour	Weight
TSS12-24-36-48V	12v	50amp	235-275	60lbs
	24v	50amp	235-275	
	36v	35amp	165-193	
	48v	30amp	141-165	

# Chargers Cargadores Chargeurs

## REC



- Single phase input
- REC Chargers have a input voltage range of 110-115-120-125-130 or 200-208-220-240-250 depending on the model
- Meets UL and CSA standards
- Fully automatic
- 3-second delay on start, to avoid sparks
- Automatic start, battery shut-down on battery disconnection
- Easy adjustment of input voltage, with transformer taps
- Entrada monofásica
- Tensión de entrada en EE.UU.: 110-115-120-125-130, 200-208-220-240-250
- Cumple con las normas UL y CSA
- Totalmente automático
- Retraso de 3 segundos en el arranque, para evitar chispas
- Inicio automático, apagado de la batería cuando se desconecta la batería
- Entrée en monophasé
- Tension d'entrée USA : 110-115-120-125-130, 200-208-220-240-250
- Satisfait aux normes UL et CSA
- Totalemtent automatique
- Délai de 3 secondes au démarrage afin d'éviter les étincelles
- Démarrage automatique, arrêt de la batterie suite à son débranchement

Part #	Volt	Amp	Amp Hour	Weight	Part #	Volt	Amp	Amp Hour	Weight
REC1215S120	12v	15amp	70-83	25lbs	REC2450A120	24v	50amp	235-275	53lbs
REC1220S120	12v	20amp	94-110	27lbs	REC2460A240	24v	60amp	282-330	57lbs
REC1225S120	12v	25amp	118-138	29lbs	REC2480B240	24v	80amp	376-440	72lbs
REC1230S120	12v	30amp	141-165	31lbs	REC24100B240	24v	100amp	470-550	88lbs
REC1240S120	12v	40amp	188-220	38lbs	REC3630A120	36v	30amp	141-165	51lbs
REC1250A120	12v	50amp	235-275	55lbs	REC3640A120	36v	40amp	188-220	55lbs
REC1260A120	12v	60amp	282-330	60lbs	REC3650B240	36v	50amp	235-275	81lbs
REC1280B120	12v	80amp	376-440	71lbs	REC3660B240	36v	60amp	282-330	88lbs
REC2410S120	24v	10amp	47-55	25lbs	REC3680B240	36v	80amp	376-440	92lbs
REC2415S120	24v	15amp	70-83	28lbs	REC4815A120	48v	15amp	70-83	49lbs
REC2420S120	24v	20amp	94-110	31lbs	REC4830A120	48v	30amp	166-198	57lbs
REC2425S120	24v	25amp	118-138	33lbs	REC4840B240	48v	40amp	188-220	63lbs
REC2430A120	24v	30amp	141-165	44lbs	REC4850B240	48v	50amp	235-275	65lbs
REC2440A120	24v	40amp	188-220	46lbs	REC4860B240	48v	60amp	282-330	71lbs

## Quick Charge



- Portable and on-board chargers
- Small, compact and energy efficient
- Vibration resistant, rugged construction
- Cargadores portátiles y montados
- Pequeños, compactos y energéticamente eficientes
- Resistentes contra la vibraciones, de construcción robusta
- Chargeurs portables et montables
- Petits, compact et énergétiquement efficients
- Résistants aux vibrations de construction robuste

	Quick Charge #	Volts	AMPS	Type
SYBOBAEXWU24V/25A	OBAEXWU24V/25A	24	25	On-Board
SYOBET24V15A	OBET24V15A	24	15	On-Board
SYOBET24V10A	OBET24V10A	24	10	On-Board
SYOBET12V10A	OBET12V10A	12	10	On-Board
SY4831	QP2425	24	25	Portable Gel/Wet
SY4834	QP2440	24	40	Portable Gel/Wet
SY4837	QP3625	36	25	Portable Gel/Wet
SY4838	QP3640	36	40	Portable Gel/Wet

# Chargers Cargadores Chargeurs

## Misc. Chargers



	Volt	Amps
SY88497	12v	25amp
SY87818	12v	40amp
SY88511	24v	18amp
SY88499	24v	25amp
SY88502	24v	25amp
SY88501	24v	40amp
SY57930	24v	12amp

	Volt	Amps
SY88500	24v	25amp
SY88510	24v	18amp
SY88508	24v	19amp
SY88507	24v	25amp
SY88509	24v	25amp
SY87820	24v	40amp
SY88506	24v	25amp

	Volt	Amps
SY88504	24v	25amp
SY88505	24v	25amp
SY82551	24v	25amp
SY87822	36v	25amp
SY88498	36v	40amp
SY87817	36v	25amp
SY88503	48v	25amp

## MAC

### On-Board



	Volt	Amps
SYB9430	12v	30amp
SYBA700	12v	30amp
SYB6571	24v	15amp
BEBA1250	24v	15amp
SYB9357	24v	15amp
SY88477	24v	40amp
SYB9357	24v	15amp
SYBA1025	24v	15amp

### Built-In



SY87813	24v	15amp
SY87814	24v	15amp

## ET Series



SYET2420	24v	20amp
SYET3620	36v	20amp
SY88475	36v	25amp

## Multivolt



	Volt	Amps
SYM50A	12-48v	25-50amp

## Patriot Series



SYPAC640	12v	40amp
SYPAC675	12v	75amp
SYPAC1240	24v	40amp
SYPAC1230	24v	30amp
SYPAC1250	24v	50amp
SYPAC1260	24v	60amp
SYPAC1860	36v	60amp
SYPAC1850	36v	50amp
SYPAC1830	36v	30amp
SYPAC1840	36v	40amp
SYPAC2425	48v	25amp
SYPAC2440	48v	40amp

## SCR Series



SYSCR1210	12v	10amp
SYSCR1220	12v	20amp
SYSCR1230	12v	30amp
SYSCR2415	24v	15amp
SYSCR2420	24v	20amp
SYSCR2425	24v	25amp
SYSCR2430	24v	30amp
SYSCR3615	36v	15amp
SYSCR3620	36v	20amp
SYSCR3630	36v	30amp
SYSCR4810	48v	10amp
SYSCR4815	48v	17amp

# Chargers Cargadores Chargeurs

## Lester



	Lester #	Volt	Amps	Case		Lester #	Volt	Amps	Case
SY87812	6685-00	12v	10amp	Built-in	SY13370-10	13370-10	24v	20amp	Built-in
SY88489	06815-03	12v	10amp	D	SY16940-19	16940-19	24v	25amp	Built-in
SY15020-10	15020-10	12v	25amp	Built-in	SY26040-02-W	26040-02-W	24v	25amp	S
SY9397-03	9397-03	12v	40amp	B	SY26040-83-W	26040-83-W	24v	25amp	S
SYSCR1250	27020C0002	12v	50amp	S	SY88495	09513-01	24v	40amp	B
SY87823	07210-03	24v	25amp	E	SY88482	19740-9JS	25v	24amp	Built-in
SY87815	09028-00	24v	25amp	Built-in	SY08938	8938	32v	35amp	B
SY87816	09032-00	24v	25amp	Built-in	SY87825	9700-01	36v	20amp	E
SY88478	10930-19	24v	25amp	Built-in	SY87826	9611-03	36v	25amp	E
SY88479	11010-19	24v	25amp	Built-in	SY88480	09475-02	36v	40amp	Built-in
SY88481	13175-03	24v	25amp	E	SY87827	GN45044-R	36v	40amp	B
SY87819	19740-90S	24v	25amp	Built-in	SY88486	9611-02	36v	25amp	E
SY88483	22260-95	24v	20amp	Built-in	SY06430-02	06430-02	36v	25amp	E
SY88484	6730-03	24v	20amp	E	SY11210-19	11210-19	36v	25amp	E
SY88485	9800-01	24v	20amp	E	SY15350-19	15350-19	36v	25amp	Built-in
SY87824	7210	24v	25amp	E	SY17670	17670	36v	25amp	Built-in
SY88487	09513-00	24v	40amp	Built-in	SY25970-01-W	25970-01-W	36v	21amp	S
SY88488	09600-00	24v	40amp	B	SY25970-04-W	25970-04-W	36v	21amp	S
SY88490	14600-10	24v	25amp	Built-in	SY27050-04-W	27050-04-W	36v	36amp	S
SY88491	13110-03	24v	25amp	E	SYSCR3625	27060C0002	36v	25amp	S
SY88492	07105-01	24v	25amp	E	SY87828	09475-01	36v	40amp	B
SY88493	19460	24v	25amp	NI	SY87829	17910-03	48v	21amp	B
SY87821	12870	24v	40amp	Built-in	SY09695-03	09695-03	48v	25amp	B
SY88494	15670	24v	20amp	Built-in	SY18710	18710	48v	25amp	Built-in

# Chargers Cargadores Chargeurs

## SPE Multivolt



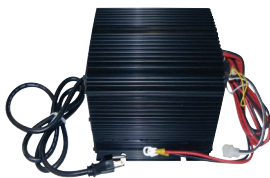
SY #	DESCRIPTION 2	Volts	Amps	Length	Width	Height
SYCBHF2	MULTIVOLT-12-48V 115AC 60HZ	12-48	15-30	12.02" 310mm	7.08" 180mm	3.93" 100mm
SYCBHD1	MULTIVOLT-12-24V 115/230VC 60HZ	12-24	8-10	6.50" 164mm	5.30" 134mm	2.50" 63mm
SYCBHF1-SM	MULTIVOLT-12-24V 115AC 60HZ	12-24	12	9.48" 241mm	5.29" 134.5mm	3.16" 80mm
SYHF2-UI2425	SEALED 24V 25A 115/230AC 60HZ	24	25	12.30" 311.8mm	7.25" 184.2mm	3.50" 88.9mm
SYHF2-UI3615	SEALED 36V 15A 115/230AC 60HZ	36	15	12.30" 311.8mm	7.25" 184.2mm	3.50" 88.9mm
SYHF1-IP	MULTIVOLT-12-24V 115/230AC 60HZ	12-24	10-13	8.86" 225mm	5.98" 152mm	3.31" 84mm

## Charger Cordsets



				Length		Cord Type	Gauge
SY77323	Cord - IEC Pigtail	No Plug		8"	203mm	SJT	16
SY77324	Cord - IEC Electrical	Us 3 Prong Plug		9.5"	241mm	SJT	16
SY77325	Cord - IEC Electrical	Us 3 Prong Plug		79"	2007mm	SJT	16
SY77327	Cord - Electrical Pigtail	Us 3 Prong Plug		96"	2438mm	SJTOW	16
SY77328	Cord - Electrical Pigtail	Us 3 Prong Plug		96"	2438mm	SJOOW	14
SY77246	Cord - IEC Electrical	Us 3 Prong Plug		36"	914mm	SJT	14
SY77329	Cord - IEC Electrical Pigtail	No Plug		36"	914mm	SJT	14
SY77326	Plug - Electrical Cord	Us 3 Prong Plug					
SY77330	Plug - Electrical Cord	110 V Ac British 3 Pin					

## Signet



- Compact on-board HF chargers
- Sealed water resistant design
- High frequency technology
- Cargadores HF montados y compactos
- Sellado con diseño resistente al agua
- Tecnología de alta frecuencia
- Chargeurs HF compacts et montables
- Design scellé et résistant à l'eau
- Technologie à haute fréquence

	Volt	Amps	Length	Width	Height
SYHB750-24	24v	25amp	7.72" 196mm	7.1" 180mm	6.5" 165mm
SYHB600-24B	24v	19amp	6.34" 161mm	7.1" 180mm	6.5" 165mm
SYHB600-24	24v	19amp	6.34" 161mm	7.1" 180mm	6.5" 165mm
SYHBS750-24	24v	25amp	7.72" 196mm	7.1" 180mm	6.5" 165mm

	Volt	Amps	Length	Width	Height
SYHB500-24	24v	18amp	6.34" 161mm	7.1" 180mm	6.5" 165mm
SYHB51000-36	36v	20amp	7.72" 196mm	7.1" 180mm	6.5" 165mm
SYHB51000-48	48V	17amp	7.72" 196mm	7.1" 180mm	6.5" 165mm

**Other Brands of Chargers available from stock or by special order: All Tech, Anpat, Diversified Power, etc.  
Replacement parts available for all chargers**

## PowerPulse



- Battery maintenance device
- A high frequency pulse eliminates sulfate deposit build up on battery plates
- Improves battery's ability to accept and hold a charge
- Extends battery life
- Mecanismo de Mantenimiento para Baterías
- Un pulso intermitente de alta frecuencia elimina el depósito de sulfato acumulado en los platos de la batería.
- Mejora la capacidad para aceptar y mantener el cargo eléctrico de la batería
- Le aumenta la vida útil de la batería
- Dispositif d'Entretien des Batteries
- Une pulsation intermittente à haute fréquence élimine les dépôts de sulfate accumulés sur les plaques de la batterie
- Améliore les capacités de la batterie pour accepter et retenir la recharge électrique
- Augmente la durée de vie de la batterie

	Voltage	Wire Length	Weight	Circuit Box Dimensions
SYPP-12-L	12 Volt	3'	.5 lbs.	4" x 1.75" x 1"
SYPP-24-L	24 Volt	3'	.5 lbs.	4" x 1.75" x 1"
SYPP-36-L	36 Volt	3'	.5 lbs.	4" x 1.75" x 1"
SYPP-48-L	48 Volt	3'	.5 lbs.	4" x 1.75" x 1"

## SolarPulse



- A small, durable "Armored" design
- Solar panel replaces the natural discharge of batteries when left unused or when ignition is off
- A high frequency pulse eliminates sulfate deposit build up on battery plates
- Improves battery's ability to accept and hold a charge
- Extends battery life
- Un diseño pequeño, durable y blindado
- Un panel solar reemplaza la descarga natural de baterías cuando se deja sin uso o cuando el encendedor está apagado
- Un pulso intermitente de alta frecuencia elimina el depósito de sulfato acumulado en los platos de la batería.
- Mejora la capacidad para aceptar y mantener el cargo eléctrico de la batería
- Le aumenta la vida útil de la batería
- Un design réduit, résistant et blindé
- Un panneau solaire remplace la décharge naturelle des batteries lorsque celles-ci restent inutilisées ou éteintes
- Une pulsation intermittente à haute fréquence élimine les dépôts de sulfate accumulés sur les plaques de la batterie
- Améliore les capacités de la batterie pour accepter et retenir la recharge électrique
- Augmente la durée de vie de la batterie

	Pulse Frequency	Watts	Max Charging DC Voltage	Circuit Box Dimensions	Solar Panel Dimensions	Box to Lugs Wire Length	Box to Panel Wire Length	Weight
SYSP-2	22-28 kHz	2 Watt	16.5 V, 250 mA	3.25" x 2.25" x 1.5"	4.75" x 8.56" x .125"	3'	17'	1.35 lbs
SYSP-5	22-28 kHz	5 Watt	16.5 V, 350 mA	3.25" x 2.25" x 1.5"	8.875" x 8.75" x .125"	3'	17'	1.65 lbs
SYSP-6	22-28 kHz	6 Watt	16.5 V, 365 mA	3.25" x 2.25" x 1.5"	16" x 4.93" x .125"	3'	14'	1.5 lbs
SYSP-25	-	25 Watt	14.8 V	5.25" x 2.5" x 1.3"	17.75" x 21.25" x .125"	2.6'	25'	6.5 lbs

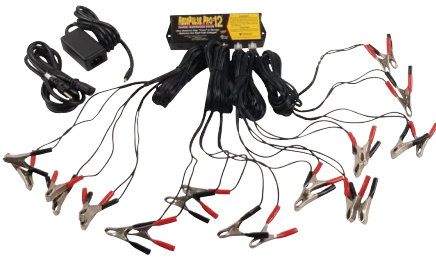
## Xtreme Charge



- Works with any 12-volt lead-acid battery including standard flooded, AGM and Gel types
  - Able to plug in to any 110-220 ac power source
  - Fuse-protected, spark-proof and is CUL certified
  - SYX2 is a dual station having two AC outlets
  - SYXC- PARALLEL can charge up to four batteries
  - A high frequency pulse eliminates sulfate deposit build up on battery plates
  - Improves battery's ability to accept and hold a charge
  - Extends battery life
- Trabaja con cualquier batería de plomo de 12 voltios incluyendo los siguientes tipos: de gel, de inundación estándar y de AGM
  - Se puede conectar a cualquier fuente de alimentación de carga de 110 - 220 ac
  - Protegida para no fundirse, con repelente anti-chispas y certificación CUL
  - SYX2 es una estación doble con dos salidas de corriente alternas
  - El SYXC-PARALELO puede carga hasta cuatro baterías a la vez.
  - Un pulso intermitente de alta frecuencia elimina el depósito de sulfato acumulado en los platos de la batería.
  - Mejora la capacidad para aceptar y mantener el cargo eléctrico de la batería
  - Le aumenta la vida útil de la batería
- Fonctionne avec toutes batteries de plomb de 12 volts incluant les différents types suivant: Gel, d'inondation Standard et d'AGM
  - Peut se connecter à n'importe quelles sources d'alimentation de charge 110-220 ac
  - Empêche la batterie de fondre, anti étincelles et certifié C-U-L
  - SYX2 est une station double avec deux sorties de courants alternatifs
  - SYXC PARALLELE peut charger jusqu'à quatre batteries à la fois
  - Une pulsation intermittente à haute fréquence élimine les dépôts de sulfation accumulés sur les plaques de la batterie
  - Améliore les capacités de la batterie pour accepter et retenir la recharge électrique
  - Augmente la durée de vie de la batterie

	Input Voltage	Channels	Max Charge Current	Pulse Frequency	Main Battery Cable Length	Lug/Clamp Cable Length
SYXC100-P	90-250 V AC	1	2.5 A	22-28 kHz	6'	2'
SYX2	90-250 V AC	2	2.5 A	22-28 kHz	6'	2'
SYXC-PARALLEL	90-250 V AC	1	2.5 A	22-28 kHz	6'	2'
SYXCR-20	90-250 V AC	1	20 A	50-60 Hz	6'	2'
SYSC-12	100-240 V AC	12	8.0 A	50-60 Hz	6'	2'

## RediPulse Pro-12



- 12 Station battery maintenance system
  - Continuous cycle of low amperage charge reversing normal discharge
  - Batteries remain "factory fresh" no matter how long they have been sitting
  - A high frequency pulse eliminates sulfate deposit build up on battery plates
  - Improves battery's ability to accept and hold a charge
  - Extends battery life
- 12 Estaciones con un Sistema de Mantenimiento de Baterías
  - Ciclo continuo de carga baja de amperaje con marcha atrás de descarga
  - La baterías se mantienen como "Recién Llegadas de la Fabrica" no importa cuánto tiempo hayan estado sin uso.
  - Un pulso intermitente de alta frecuencia elimina el depósito de sulfato acumulado en los platos de la batería
  - Mejora la capacidad para aceptar y mantener el cargo eléctrico de la batería
  - Le aumenta la vida útil de la batería
- 12 Système de station de maintenance des batteries
  - Cycle de charge continu à basse intensité de courant inversant la décharge normale
  - Les batteries sont « considérées comme neuves » peu importe le temps qu'elles n'ont pas été utilisées
  - Une pulsation intermittente à haute fréquence élimine les dépôts de sulfates accumulés sur les plaques de la batterie
  - Améliore les capacités de la batterie pour accepter et retenir la recharge électrique
  - Augmente la durée de vie de la batterie

	Electrical Input	Outlets	Pulse Frequency	Max Charging DC Voltage	Max Charging DC Current	Circuit Box	Box to Clamps Wire Length	Weight
SYPRO-12	100-240 V AC, 50-60 Hz	12	22-28 kHz	14.7 V	750 mA	7.25" x 2.35" x 1"	72"	2 lbs.



# Dry Cell Batteries



		Length		Width		Height		Amp Hours (@ 100 Hours)	Amp Hours (@ 20 Hours)	Amp Hours (@ 10 Hours)	Amp Hours (@ 5 Hours)	Amp Hours (@ 1 Hours)
<b>6v Traction</b>	SY77372	11.61"	294.89mm	7.09"	180.09mm	10.79"	274.07mm	291	260	240	226	144
	SY77374	11.61"	294.89mm	7.09"	180.09mm	13.66"	346.96mm	349	312	288	271	172
	SY77382	12.05"	306.07mm	6.61"	167.89mm	8.66"	219.96mm	224	200	180	170	108
	SY77386	10.24"	260.10mm	7.09"	180.09mm	10.00"	254.00mm	239	213	198	185	118
	SY77388	10.24"	260.10mm	7.09"	180.09mm	10.00"	254.00mm	252	225	209	195	125
	SY77390	10.24"	260.10mm	7.09"	180.09mm	10.83"	275.08mm	286	255	235	222	141
	SY77392	11.61"	294.89mm	7.09"	180.09mm	15.94"	404.88mm	437	390	360	331	216
<b>8v Traction</b>	SY77383	10.24"	260.10mm	7.09"	180.09mm	13.66"	346.96mm	258	230	210	197	126
	SY77384	11.02"	279.91mm	7.17"	182.12mm	14.96"	379.98mm	349	312	288	264	172
	SY77387	10.24"	260.10mm	7.09"	180.09mm	10.00"	254.00mm	190	170	156	144	93
	SY77391	10.24"	260.10mm	7.09"	180.09mm	10.80"	274.32mm	207	185	172	156	105
<b>12v Traction</b>	SY77366	21.73"	551.94mm	4.33"	109.98mm	11.61"	294.89mm	179	160	140	125	84
	SY77367	21.50"	546.10mm	4.92"	124.97mm	12.72"	323.09mm	235	210	181	163	108
	SY77368	12.87"	326.90mm	7.09"	180.09mm	10.00"	254.00mm	157	140	133	119	79
	SY77369	15.20"	386.08mm	7.09"	180.09mm	13.62"	345.95mm	262	234	215	198	129
	SY77370	9.06"	230.12mm	5.43"	137.92mm	8.11"	205.99mm	62	55	52	49	31
	SY77371	10.71"	272.03mm	6.77"	171.96mm	8.11"	205.99mm	94	84	77	74	46
	SY77373	12.72"	323.09mm	6.77"	171.96mm	8.11"	205.99mm	112	100	92	84	55
	SY77375	13.00"	330.20mm	7.09"	180.09mm	8.50"	215.90mm	128	114	105	96	63
	SY77376	10.24"	260.10mm	6.30"	160.02mm	7.01"	178.05mm	78	70	65	57	39
	SY77377	20.79"	528.07mm	8.74"	222.00mm	9.02"	229.11mm	274	245	230	205	138
	SY77378	19.10"	485.14mm	6.80"	172.72mm	9.40"	238.76mm	179	160	156	141	108
	SY77379	20.60"	523.24mm	9.40"	238.76mm	8.60"	218.44mm	252	225	210	199	150
	SY77381	9.60"	243.84mm	7.30"	185.42mm	10.10"	256.54mm	224	260	240	226	144
	SY77385	20.79"	528.07mm	11.10"	281.94mm	9.02"	229.11mm	325	290	270	240	162
	SY77389	10.24"	260.10mm	7.09"	180.09mm	11.60"	294.64mm	132	118	115	98	66
SY77393	7.80"	198.12mm	5.20"	132.08mm	6.46"	164.08mm	37	33	31	29	18	



## Battery Boxes Cajas de Batería Boîtes de Batteries

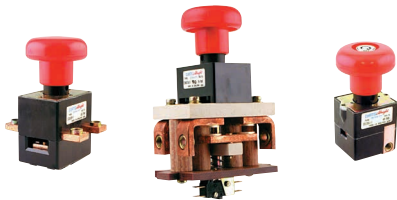
	Group Size	Length (ID)	Width (ID)	Height (ID)	Length (OD)	Width (OD)	Height (OD)	
	SY120170-001	U1*	8" 203.2mm	5.25" 133.35 mm	7.5" 190.5 mm	10.5" 266.7 mm	7.5" 190.5 mm	8" 203.2mm
	SY120171-001	24	10.25" 260.35mm	6.75" 171.45 mm	9.5" 241.3 mm	13.5" 342.9 mm	9.25" 234.95 mm	10.25" 260.35 mm
	SY120172-001	27*	12.75" 323.85mm	7.25" 184.15 mm	9.25" 234.95 mm	15.5" 393.7 mm	9" 228.6 mm	10.5" 266.7 mm
	SY120173-001	Adjustable	13.5" 342.9mm	7" 177.8 mm	9.5" 241.3 mm	16.5" 419.1 mm	9" 228.6 mm	10.5" 266.7 mm

\* Individual Group U1 and 27 boxes do not have locking handles or knock-outs for external power take-off connections

\* El grupo individual U1 y las 27 cajas no tienen palancas de bloqueo ni boquetes para conexiones externas de energía














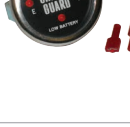
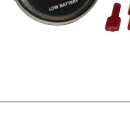





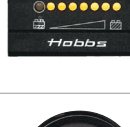

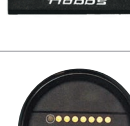








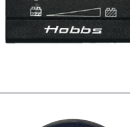
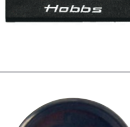








\* Les groupes individuels U1 et les boîtes 27 boxes ne disposent pas de poignées verrouillables ou de mises hors service pour les connexions d'alimentation externe

## Disconnect Switches Interruptores Desconectores Interrupteurs de Déconnexion












		Amperage	Blow Outs	Lockable	Auxillary Contacts
<b>Single Pole</b>	SYED125	125amp			
	SYED125A	125amp			•
	SYED125L	125amp		•	
	SYED250	250amp			
	SYED250A	250amp			•
	SYED250B	250amp	•		
	SYED250L	250amp		•	
	SYED250-SMH	250amp			
	SYED250A-SMH	250amp			•
	SYED250B-SMH	250amp	•		
	SYED250L-SMH	250amp		•	
<b>Double Pole</b>	SYED252B	250amp	•		
	SYED252BL	250amp	•	•	
	SYED252B-SMH	250amp	•		
	SYED252L-SMH	250amp		•	
	SYED402	400amp			
	SYED402AL	400amp		•	•

## Gauges Medidores Jauges


















	Part#	Volts	Description		Part#	Volts	Description
	SY6357	24v	Battery Capacity Indicators		SY900R36BJ	36v	Battery Charge Indicator
	SY6359		Battery Capacity Indicators		SY906T12BN	12v	Battery Charge Indicator
	SY711G12	12v	Battery Capacity Indicators		SY906T24BN	24v	
	SY711G24	24v					
	SY711G36	36v					
	SY711G48	48v					
	SY711G72	72v					
	SY730G12	12v	Battery Capacity Indicators w/ Lockout		SY88274	24v	Battery Indicator
	SY730G24	24v					
	SY730G36	36v					
	SY730G48	48v					
	SY730G72	72v					
	SY88644	24v	Battery Capacity Indicators		SY2114R12	12v	BDI
	SYHB8260R12	12v	Battery Capacity Indicators		SY2114R24	24v	
	SYHB8260R24	24v					
	SYHB8260R36	36v					
	SYHB8260R48	48v					
	SYHB8270R12	12v	Battery Capacity Indicators		SY2214R12	12v	BDI
	SYHB8270R24	24v					
	SYHB8270R36	36v					
	SYHB8270R48	48v					
	SYHB8280R12	12v	Battery Capacity Indicators		SY77474		BDI
	SYHB8280R24	24v					
	SYHB8280R36	36v					
	SYHB8280R48	48v					
	SYHB8550R12	12v	Battery Capacity Indicators w/ Hour Meter		SY77475		BDI
	SYHB8550R24	24v					
	SYHB8550R36	36v					
	SYHB8550R48	48v					
	SY83084		Battery Charge Indicator		SY77482		BDI
					SY77489		BDI

# Gauges Medidores Jauges

	Part#	Volts	Description
	SY78814	10-14VDC	BDI
	SY802RB12BN	12v	BDI w/ Hour-meter
	SY802RB2436BN	24-36	
	SY802RB2448BN	24-48v	
	SY802RB3648BN	36-48v	
	SY803RB2436	36v	Battery Charge Indicator
	SY803RB12BCJ	12v	BDI w/ Hour Meter & Lockout
	SY803RB2436BCJ	24-36v	
	SY803RB2448BCJ	24-48v	
	SY803RB3648BCJ	36-48v	
	SY803RB2448BCK3010	24-48v	BDI w/ Lockout
	SY80920		BDI
	SY88278	24v	BDI
	SY900R12BN	12v	BDI
	SY900R24BN	24v	
	SY900R36BN	36v	
	SY900R48BN	48v	
	SY900R72BN	72v	
	SY900R96BN	96v	
	SY900R24HG	24v	BDI
	SY900R96HG	96v	

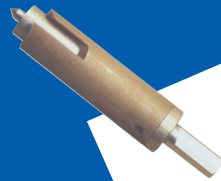
	Part#	Volts	Description
	SY933/1C1224	12-24v	BDI
	SY933/1C243648	24-48v	
	SY13260	12-72v	BDI
	SY13260-R		BDI
	SY1156E2448	24-48v	BDI
	SY78924	24v	BDI - Hour Meter with Lockout
	SY78930	36v	BDI - Hour Meter with Lockout
	SY78931	48v	BDI - Hour Meter with Lockout
	SY78916	24v	BDI Controller
	SY78917	12-48v	
	SY78892	36v	
	SY933/3D24	24v	BDI Controller
	SY933/3D2436	24-36v	
	SY933/3D36	36v	
	SY933/3D3648	36-48v	
	SY933/3D48	48v	

# Gauges Medidores Jauges

	Part#	Volts	Description		Part#	Volts	Description
	SY933/3D2436AW	12-36v	BDI Controller		SY78910	24v	BDI - LED
	SY78918	12v	BDI		SY900R72BN	72v	BDI - LED
	SY902RB1224BN	12/24v	BDI		SY78912	12v	BDI with Lock-out
	SY902RB2436BNAAC	24/36v	BDI	SY78909	24v		
	SY78919	36v	BDI	SY78913	36v		
	SY78927	48v	BDI	SY78921	48v		
	SY78928	12v	BDI Kit	SY78922	72v		
	SY78911	24v		SY78914	12v	BDI without Lockout	
	SY78920	36v		SY78915	24v		
	SYULBF52C	12-48	BDI + HOUR	SY78923	36v		
	SYULBF52RC	12-48	BDI + RELAY+ HOUR	SY78929	48v		
	SYULBF52R	12-48	BDI + LOCKING RELAY				
	SY933-3-2436V	24-36v	BDI Kit - Includes: 1- SY13260 1-SY933/3D2436				
	SY933-3-24V	24v	BDI Kit - Includes: 1- SY13260 1- SY933/3D24				
	SY933-3-3648V	36-48v	BDI Kit - Includes: 1- SY13260 1- SY933/3D3648				
	SY933-3-36V	36v	BDI Kit - Includes: 1- SY13260 1- SY933/3D36				
	SY933-3-48V	48v	BDI Kit - Includes: 1- SY13260 1- SY933/3D48				

<b>Battery Boxes</b> Cajas de Batería Boîtes de Batteries . . . . .	<b>72</b>
<b>Cable &amp; Wire</b> Cables & Alambres Câbles & Fils Électriques . . . . .	<b>46</b>
<b>Cable Clamps</b> Abrazaderas de Cable Serre-Câbles . . . . .	<b>43</b>
<b>Cable Ties</b> Sujetacables Attaches de Câbles . . . . .	<b>44</b>
<b>Chargers</b> Cargadores Chargeurs . . . . .	<b>62</b>
<b>Connectors</b> Conectores Connecteurs . . . . .	<b>2</b>
<b>Disconnect Switches</b> Interruptores Desconectores Interrupteurs de Déconnexion . . . . .	<b>72</b>
<b>Dry Cell Batteries</b> . . . . .	<b>71</b>
<b>Gauges</b> Medidores Jauges . . . . .	<b>73</b>
<b>Heat Sealable Nylon Terminals</b> Terminales de nylon termosellables Bornes Thermoscellables en Nylon . . . . .	<b>20</b>
<b>Heat Shrink Tubing</b> Tubería Termorretráctil Tubes Thermo Rétractables . . . . .	<b>36</b>
<b>Intercells</b> . . . . .	<b>27</b>
<b>Leadhead Battery Terminals</b> Bornes de Batería de Plomo Contact de Bornes de Batterie . . . . .	<b>26</b>
<b>Leadhead Shrouds</b> Protector del Contacto Protecteur de Contact . . . . .	<b>35</b>
<b>Nylon Insulated Terminals</b> Terminales de Nylon Aislados Bornes Isolées en Nylon . . . . .	<b>17</b>
<b>PowerPulse</b> . . . . .	<b>69</b>
<b>QuickHeat™ Guns</b> Pistolas QuickHeat™ Pistolets QuickHeat™ . . . . .	<b>43</b>
<b>RediPulse Pro-12</b> . . . . .	<b>70</b>
<b>SolarPulse</b> . . . . .	<b>69</b>
<b>Solderless Battery Terminals</b> Terminales de Batería sin Soldadura Bornes de Batterie sans Soudure . . . . .	<b>25</b>
<b>Terminal Insulators</b> Aisladores Eléctricos Isolateurs de Bornes . . . . .	<b>31</b>
<b>Terminal Kits</b> Juegos de Terminales Kits de Bornes . . . . .	<b>27</b>
<b>Terminal Lugs</b> Terminales Cosses Pour Bornes . . . . .	<b>21</b>
<b>Tools</b> Herramientas Outils . . . . .	<b>55</b>
<b>Xtreme Charge</b> . . . . .	<b>70</b>





- United States**
  - Olathe, Kansas  
(800) 255-4109
  - Grayslake, Illinois
  - Mira Loma, California
  - Duncan, South Carolina
  - Harrisburg, Pennsylvania
  - Shreveport, Louisiana
  - Latin America and the Caribbean  
+1 (913) 768-3099

- Canada**
  - Mississauga, Ontario  
(800) 509-7668
  - Port Coquitlam, British Columbia  
(888) 661-8611

- Mexico**
  - Cuautitlán Izcalli, EDM  
+52 (55) 5861-8550



TVH

[www.irmn.com](http://www.irmn.com) [www.tvh.com](http://www.tvh.com)