



Connectorized and Pre-Loaded

# **HIGH PERFORMANCE CABLE CARRIER SYSTEMS**

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TPC WIRE & CABLE CORP.  
*EXPECT HIGH PERFORMANCE®*

# TPC can provide complete packaged Cable Carrier solutions – including the Connectors

**W**ithin a cable carrier system, the cable package usually makes up the majority of the investment. TPC Wire & Cable Corp. will provide a solution for you using our high quality, flexing cable. Your new system will be delivered to you as a bundled system ready for installation, saving you labor, downtime, and most importantly, worries.



Often times, the cable package will fail before the cable carrier fails. Choosing high quality, high performance electrical cables, and connectorizing these cables, is imperative to saving labor, material and downtime costs.



## The Value Add

TPC Wire and Cable Corp. provides proven solutions! Our thorough knowledge of mobile electrification applications allows our experienced engineers and sales people to help you with custom solutions and electrical cables to address your specific needs.

*It takes ideas  
to create solutions  
and quality products  
to implement them!*





TPC WIRE & CABLE CORP. 9600 VALLEY VIEW ROAD, MACEDONIA, OH 44056 • TEL: 888-364-3378 • FAX: 866-319-0056 • WEB: WWW.TPCWIRE.COM

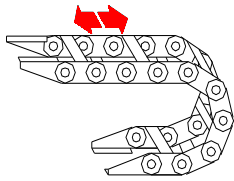
<b>Sales Rep:</b>		<b>Rep No.:</b>		<b>Customer #:</b>		<b>Date:</b>	
<b>Customer:</b>				<b>Distributor:</b>			
<b>Contact:</b>				<b>Contact:</b>			
<b>Phone Number:</b>				<b>Phone Number:</b>			
<b>Fax/e-mail:</b>				<b>Fax/e-mail:</b>			
<b>Managers Name:</b>		<b>Segment:</b>		<b>Requote Part #:</b>		<b>RFQ #:</b>	

SYSTEM INFORMATION		ENVIRONMENTAL ABUSES	
<b>1) Application:</b>		<b>Abrasion</b>	<input type="checkbox"/>
New <input type="checkbox"/> Replacement <input type="checkbox"/>		<b>Chemicals</b>	<input type="checkbox"/>
<b>Make / Model of Equipment:</b>		<b>Fluids</b>	<input type="checkbox"/>
<b>Current Brand:</b>		<b>Gases</b>	<input type="checkbox"/>
<b>Part Number:</b>		<b>Grease</b>	<input type="checkbox"/>
<b>2) Drawing Available?</b>	Y <input type="checkbox"/> N <input type="checkbox"/> Date Sent:	<b>Ambient Temperature:</b>	<input type="checkbox"/>
<b>3) Pictures Available?</b>	Y <input type="checkbox"/> N <input type="checkbox"/> Date Sent:	<b>Minimum Temperature:</b>	<input type="checkbox"/>
<b>4) Install Date?</b>		<b>Maximum Temperature:</b>	<input type="checkbox"/>

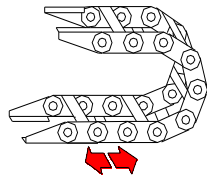
*Please Note  
Fahrenheit (°F)  
or Celsius (°C)*

**Comments:**

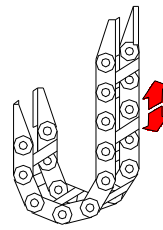
**TRAVEL ORIENTATION**



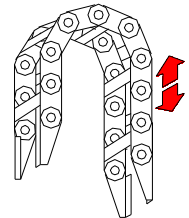
Horizontal Lower Bracket Fixed



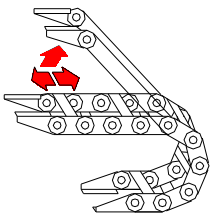
Horizontal Upper Bracket Fixed



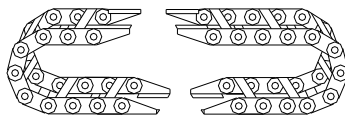
Vertical Curve Down



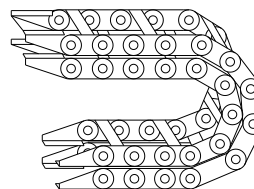
Vertical Curve Up



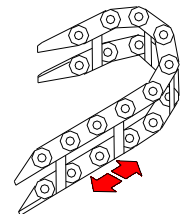
Combination Vertical/Horizontal



Opposed

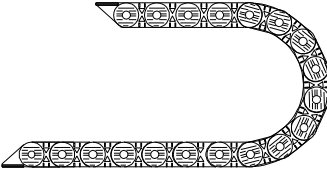
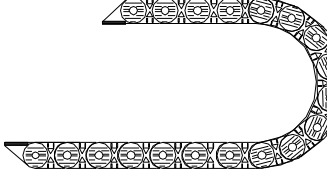
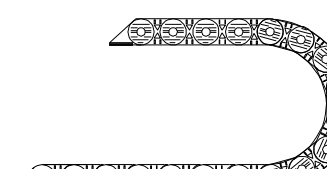
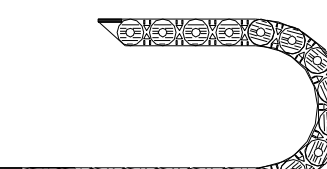
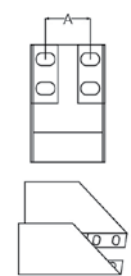
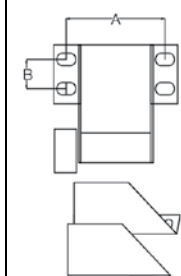


Nested

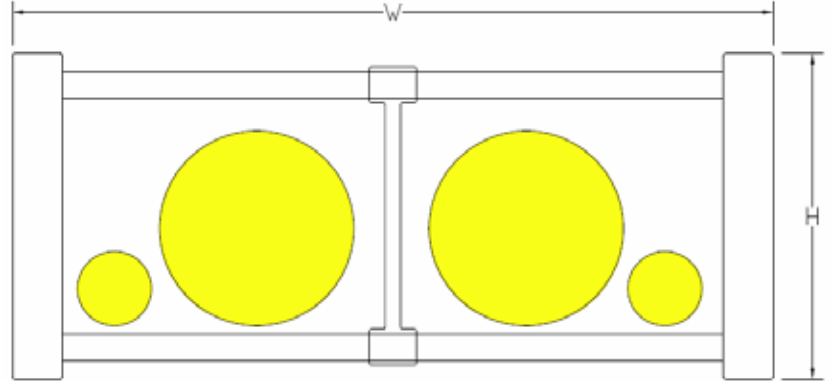


Side Mounted

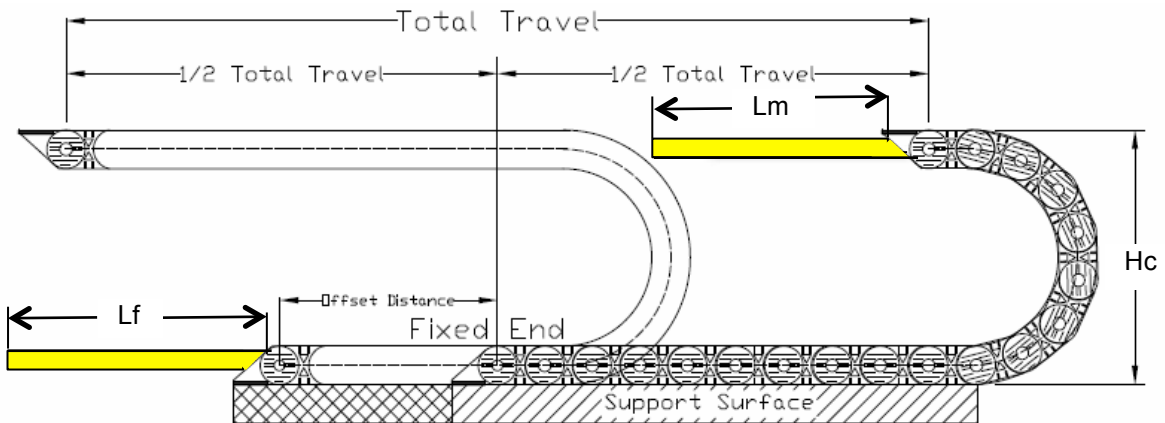
### BRACKET CONFIGURATION

 <p>Fixed and Moving End Away from Curve <input type="checkbox"/></p>	 <p>Fixed and Moving End Toward Curve <input type="checkbox"/></p>										
 <p>Fixed Towards Curve Moving Away from Curve <input type="checkbox"/></p>	 <p>Fixed Away from Curve Moving Towards Curve <input type="checkbox"/></p>										
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">In      Out</td> </tr> <tr> <td><b>Fixed End:</b></td> <td style="text-align: center;"><input type="checkbox"/>      <input type="checkbox"/></td> </tr> <tr> <td><b>Moving End:</b></td> <td style="text-align: center;"><input type="checkbox"/>      <input type="checkbox"/></td> </tr> </table>		In      Out	<b>Fixed End:</b>	<input type="checkbox"/> <input type="checkbox"/>	<b>Moving End:</b>	<input type="checkbox"/> <input type="checkbox"/>			
	In      Out										
<b>Fixed End:</b>	<input type="checkbox"/> <input type="checkbox"/>										
<b>Moving End:</b>	<input type="checkbox"/> <input type="checkbox"/>										
		<b>Hole Spacing (A): Fixed &amp; Moving</b>									
		<b>Hole Spacing (B): Fixed &amp; Moving</b>									
		<b>Stud Size:</b>		<b>Mounting Holes In</b>	<b>Mounting Holes Out</b>						

### CURRENT CARRIER DIMENSIONS

<b>(H) Height:</b>	
<b>(W) Width:</b>	
<b>Is Track in a Trough or Chanel?</b> Y <input type="checkbox"/> N <input type="checkbox"/>	
<b>Max (W) Width Allowed:</b>	
<b>Comments:</b>	

### CARRIER REQUIREMENTS



<b>Total Travel Length:</b>	<i>Please Note if in Inches or Millimeters</i>		
<b>Is the Fixed End in the Center?</b> Y <input type="checkbox"/> N <input type="checkbox"/>	<b>If No, What is Offset Distance?</b>		
<b>Maximum Travel Speed:</b>	<b>Cycles/Hour:</b>	<b>Hour/Day:</b>	<b>Days/Week:</b>
<b>Curve Height (Hc):</b>	<b>Cable Length Moving End (Lm):</b>		
	<b>Cable Length Fixed End (Lf):</b>		
<b>Comments:</b> Ex: Clearance issues with curve height or mounting.			

**SYSTEM CONTENTS**

**CABLES**

*(Fill out separate RFQ for each cable assembly)*

QUANTITY	PART #	OD	OTHER	*Connector End 1	*Connector End 2
				Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>
				Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>
				Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>
				Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>
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				Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>
				Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>
				Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>
				Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>

**HOSES**

QUANTITY	PART #	MFG	COLOR	OD	ID	TYPE (Air/Hyd/Water)

**Comments:** Ex: Hose connector part number (Note each cable/hose length from fixed and moving ends is different)



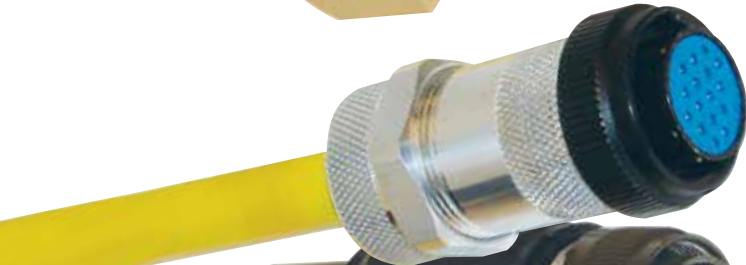
# Connector Assemblies



## HDLC ASSEMBLIES

### Heavy-Duty Locking Connectors

Three quarter turn reverse bayonet coupling system is easy to connect and disconnect. Positive locking indent prevents accidental uncoupling. Inserts are environmentally sealed to protect the connection from oil, water and chemical contamination. 18 AWG to 1/0 – up to 65 pins/contacts.



## MILITARY ASSEMBLIES

### Designed for a Wide Range of Industrial Applications

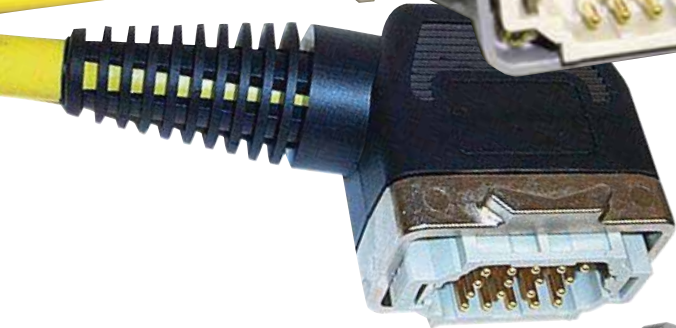
Assembled with custom TPC backend hardware for environmental sealing and superior strain relief. Molded backends available.



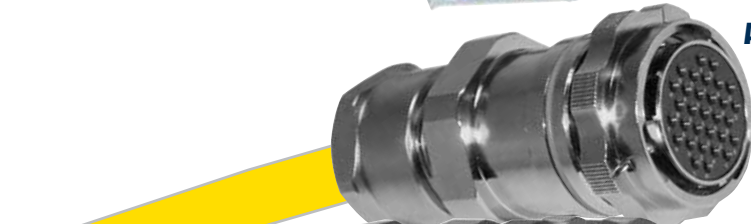
## RECTANGULAR ASSEMBLIES

### Mechanically Attached and Molded Designs for Industrial Applications

With Super-Trex or Trex-Onics cable for proven performance where flexing, abrasion, impact and oil can cause premature cable failure. Custom lengths available.



**A-Line**

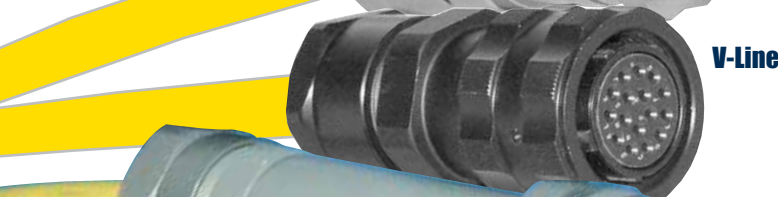


## CONTROL/POWER ASSEMBLIES

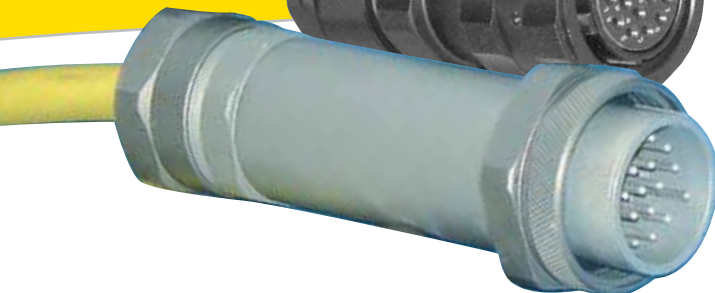
### Industrial Circular Connectors

Available in three styles.

- A-Line Style is bayonet design for medium-duty applications.
- V-Line Style uses a ratcheting threaded design for heavy-duty applications.
- X-Line uses a threaded coupling for heavy-duty applications.



**V-Line**



**X-Line**

# Cable Carriers At Work



Dual cable carriers with support extensions installed beneath them. Used as part of a component "Pick & Place" system.



Two steel track systems "piggy-back" together using a guide roller option on the lower carrier to support the upper track.



A continuous "looped" cable carrier system using a series of vertical supports.



A double stacked cable carrier with an open trough design.



Fully connectorized cable carrier system used on an automated stacker retrieval system in the Food & Beverage market.



This cable carrier system incorporates a travelling A-frame support for the overhead horizontal section.



This system is suspended on a vertical boom system and travels with the boom as it is extended and retracted.



Alternate view of a fully connectorized cable carrier system used on an automated stacker retrieval system in the Food & Beverage market.



This cable carrier is installed on a vertical lift bridge.

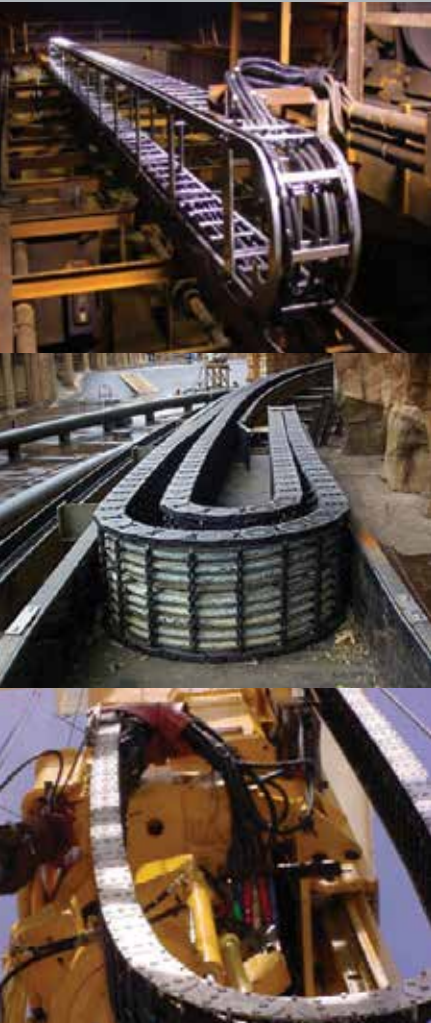


This dual track system is installed on its side and travels with an amusement park ride.





TPC WIRE & CABLE CORP.  
EXPECT HIGH PERFORMANCE®



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High Performance Wire and Cable Products  
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Designed for High Flexing Applications

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TPC WIRE & CABLE CORP. 9600 VALLEY VIEW ROAD, MACEDONIA, OHIO 44056 WWW.TPCWIRE.COM

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