



## Extra Rugged Circular (XRC) Connectors

TE Connectivity's XRC circular connectors is a series of heavy-duty plastic connectors that meets the demanding requirements of the industrial and commercial transportation industry. XRC connectors are rated IP67 with an operating temperature range of -40°C to +125°C and designed for heavy duty applications commonly found in the truck, agricultural, construction, marine and other industrial markets.

These robust circular connectors are available in two shell sizes with 18-14 and 24-31 contact arrangements, using size 16 contacts. XRC connectors can be used for wire-to-wire in-line or panel mounted applications.

XRC connectors feature quick connect-disconnect bayonet coupling and grommet wire seal with rear insertion/removal contact system that enables easy installation and reduced service time.

### Features and Benefits

#### Trusted & Reliable

- Rated IP67 and IP69K (with backshell) for sealed applications in harsh environments
- -40°C to +125°C operating temperature allows for under-hood applications
- Size 16 common contacts are the trusted industry standard
- Clean body contacts (tang-less) with rear insertion and removal are easy to install and repair

#### Ease of use

- 1/4 turn bayonet coupling provides quick and easy connections
- Markings on outer shell facilitate visual connector alignment
- Industry standard contacts and removal tools simplify harness assembly and field support

#### Increased Flexibility

- Standard and reverse contact arrangements offer more harness design options
- Backshells offer additional sealing protection and wire routing options

### Industries and Applications

Wire-to-wire, Panel Mount, Bulkhead/Firewall



#### Agriculture

- Tractors
- Combines
- Implements



#### Construction Equipment

- Fork lifts
- Loaders
- Cranes



#### Vocational Trucks

- Fire trucks
- Concrete mixers
- Refuse trucks
- Work trucks



#### Truck & Bus



#### Marine



#### Recreational Vehicles

# XRC CIRCULAR CONNECTORS

## Technical Specifications

Protection	IP67 and IP69K (with backshell)
Operating Temperature	-40° C to +125° C
Contact Arrangements	18-14 and 24-31
Contact System	Size 16 common contacts
Operating Current	13A
Wire Sealing Range	Wire OD 1.35-3.40 mm [.053-.134"]

## Part Numbers

XRC Connector		Plug		Receptacle		Contact Arrangement*
Shell Size	No. of Contacts	TCPN	Alias PN	TCPN	Alias PN	
24	31	2600010-1	845100004	2600012-1	845110004	Standard
		2600008-1	845050001	2600014-1	845060001	Reverse

XRC Connector		Plug with Backshell Adapter		Receptacle with Backshell Adapter		Contact Arrangement*
Shell Size	No. of Contacts	TCPN	Alias PN	TCPN	Alias PN	
18	14	2600005-1	845070012	2600003-1	845020008	Standard
		2600000-1	845010001	2600006-1	845080001	Reverse
24	31	2600011-1	845100005	2600013-1	845110005	Standard
		2600009-1	845050003	2600015-1	845060003	Reverse

\* Contact arrangement: Standard = Plug Socket Housing / Receptacle Pin Housing  
Reverse = Plug Pin Housing / Receptacle Socket Housing

XRC Accessories		TCPN	Alias PN
Size 18	Backshell Straight	2428-016-1805	-
	Backshell 90°	2428-015-1805	-
	Panel Nut	2600002-1	845020004
	Panel Gasket	2600004-1	845020027
Size 24	Backshell Straight	2600018-1	845370003
	Panel Nut	2600016-1	845060012
	Panel Gasket	2600017-1	845060062
Cavity Plug		2600019-1	845090002
Contact Removal Tool		0411-310-1605	-

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