tyco
Electronics

Circular Connectors for
Commercial Signal and Power Applications

Note: All part numbers
are RoHS Compliant.

AMP

Circular Plastic Connector Sealing Accessories

Sealing Caps
for Receptacles only

Sealing caps are used to protect
exposed contacts of unmated
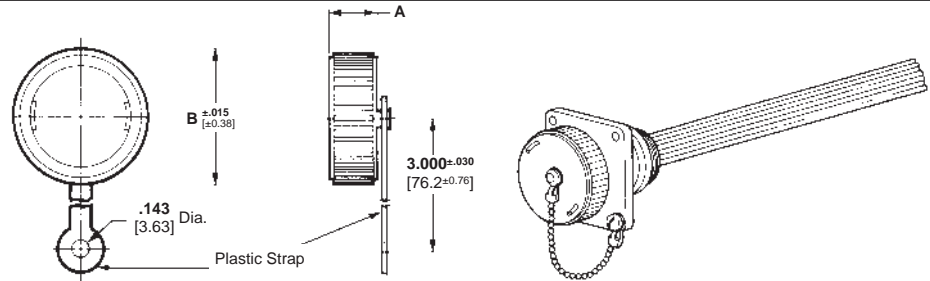receptacles.

Material and Finish

Cap—Thermoplastic, heat stabilized,
fire resistant, self-extinguishing, 94V-1
rated, black
Sealing Gasket—Neoprene, black
Bead Chain—Steel, nickel plated
Bead Chain Coupling—Brass, plated
nickel

Shell Size	Series	Dimensions		Plastic Strap Part No.	Metal Bead Chain Part No.
		A	**B**		
11	1 & 2	**.360** 9.14	**.927** 23.55	206903-1	208800-1
13	1	**.360** 9.14	**1.055** 26.80	211870-1	213485-1
17	1,2,& 3	**.360** 9.14	**1.295** 32.89	207445-1	208652-1
23	1, 3, & 4	**.460** 11.68	**1.728** 43.89	207446-1	208680-1
	2			207446-2	208680-2

Cable Entry Seals
Heat Shrinkable Sealing Boots

Cable entry seals are used with
jacketed cable to provide an
environmentally sealed wire-to-
connector system. They can be used
with either plugs or receptacles.

Thick Wall Boots

Material

Internal Sleeve—Nylon
Outer Tubing—Polyolefin, black
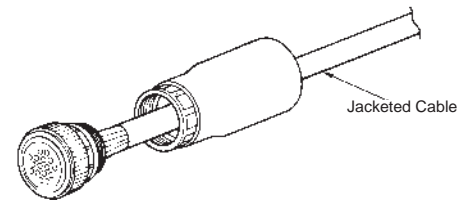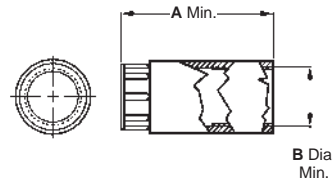
Shell Size	Dimensions		Expanded Wall Thickness	Sealing Range (Dia.)	Max. Recovered Inside Diameter	Part No.
	A	**B**				
11	**2.500** 63.50	**.625** 15.88	**.050** 1.27 Ref.	**.250 - .600** 6.35 - 15.24	**.160** 4.06	54010-4
					.250 6.35	54010-1
13	**2.500** 63.50	**.775** 19.68	**.060** Ref. 1.52	**.250 - .375** 6.35 - 9.53	**.220** 5.59	54123-2
				.375 - .725 9.53- 18.42	**.300** 7.62	54123-1
17	**2.500** 63.50	**.975** 24.76	**.060** Ref. 1.52	**.400 - .875** 10.16 - 22.22	**.375** 9.52	54011-1
	3.000 76.20					54011-3
23	**3.000** 76.20	**1.250** 31.75	**.070** Ref. 1.78	**.550 - 1.250** 13.97 - 31.75	**.500** 12.70	54012-1

Thin Wall Boot

Material
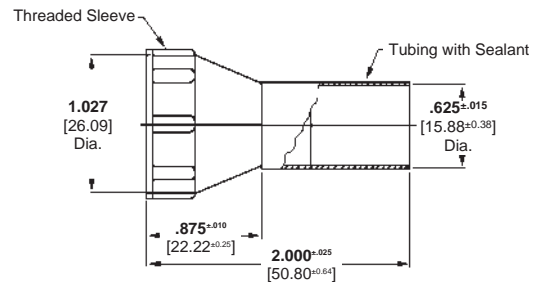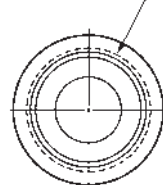
Inter Sleeve—Nylon
Outer Tubing—Polyolefin
Expanded Wall Thickness—
.020 [0.51]
Max. Recovered Wall Thickness—
.040 [10.16]
Sealing Range—.250 [6.35]-
.500 [12.70] Dia.

15/16-20 UNEF 38 THD

1.027
[26.09]
Dia.

Threaded Sleeve

Tubing with Sealant

.625±.015
[15.88±0.38]
Dia.

.875±.010
[22.22±0.25]

2.000±.025
[50.80±0.64]

**Shell Size 17
Part No. 213933-1**

Circular Plastic Connector Sealing Accesories (Continued)

Jacketed Cable Seals (for Shell Size 23)

A jacketed cable seal kit provides an environmentally sealed connection for jacketed cable.

Material

Peripheral Seal—Grey elastomer

Collar—Aluminum
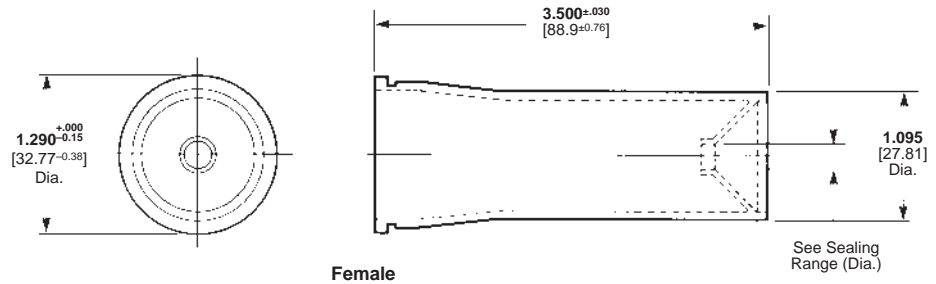
Jacketed Cable Seal—Black rubber

Back-Shell Extender—Black glass-filled thermoplastic

Special Clamp Saddle—Black thermoplastic

Note: Jacketed cable seals must be used with large cable clamps and can be used on plugs or receptacles. Large cable clamps are to be ordered separately (see page 37). Each jacketed cable seal kit includes:
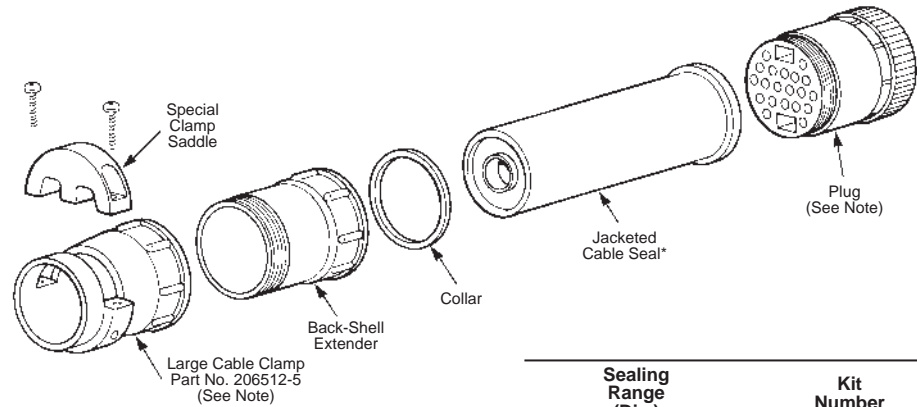• Peripheral Seal—to be discarded if kit is used on plug. Additional seals may be purchased (see page 50)
• Collar—provides bearing surface for back-shell extender
• Jacketed Cable Seal
• Back-Shell Extender
• Special Clamp Saddle—to be used in lieu of clamping insert supplied with large cable clamp

3.500±.030
[88.9±0.76]

1.290 +.000 −0.15
[32.77 −0.38]
Dia.

1.095
[27.81]
Dia.

See Sealing Range (Dia.)

Female

Special Clamp Saddle

Plug (See Note)

Jacketed Cable Seal*

Collar

Back-Shell Extender

Large Cable Clamp Part No. 206512-5 (See Note)

*Jacketed cable seal is pressed flush against rear connector face when back-shell extender is threaded onto rear of connector.

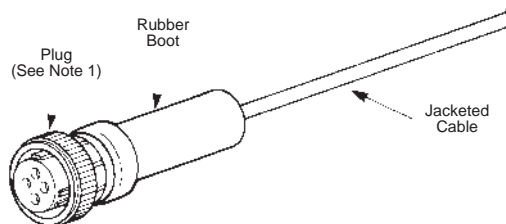| Sealing Range (Dia.)	Kit Number
.300-.450 7.62-11.43	207052-1
.450-.600 11.43-15.24	207052-2
.600-.875 15.24-22.22	207052-3

Rubber Boot

Rubber boots are used with jacketed cable to provide splash-proof connections for Series 1 and Series 3 connectors. (Not for Metal Shell Connectors.)
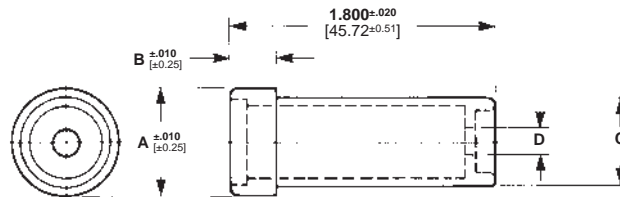
Material

Black neoprene

1.800±.020
[45.72±0.51]

B ±.010 [±0.25]

A ±.010 [±0.25]

D

C

Rubber Boot

Plug (See Note 1)

Jacketed Cable

Shell Size	Cable Dia. Sealing Range	Dimensions				Part No.
		A	B	C	D	
11	.219-.438 5.56-11.13	.750 19.05	.300 7.62	.600 15.24	.170 4.32	206304-1

Notes: 1. Rubber boots are recommended for use with jacketed cable and can be used on plugs or receptacles, except Series 2 connectors.
2. For detailed performance data on rubber boots, refer to Product Specification No. 108-10024.

CPC Sealing Accessories

tyco
Electronics

Circular Connectors for
Commercial Signal and Power Applications

Note: All part numbers
are RoHS Compliant.

AMP

Circular Plastic Connector Sealing Accesories (Continued)

Flexible Cable Protection System

Product Facts

- **For cables that require better protection**

- **Fittings allow more reliable connections to be made**

- **Sealed fittings enhance reliability of machinery operating under many extreme environmental conditions encountered in manufacturing and construction industries**

- **High-quality, complete systems are available combining innovative technology with rapid in-stock availability**

- **Conforms with the latest industry standards**

- **Recognized under the Component Program of Underwriters Laboratories Inc. on applied products as marked.**

- **Certified by Canadian Standards Association on applied products as marked.**

- **Certified by VDE on applied products as marked.**

Related Product Data

Catalog 1654227
Identification Products

Technical Documents
Product Specifications
108-1696 FLEXAgraff Metal Conduits
108-1696-1 ROHRflex Plastic Tubing
108-1696-2 AIRflex Plastic Conduits

Application Specifications
114-18274 FLEXAgraff-**AS**, -**PU-AS**,
  -**ME-ASF** Metal Conduits
114-18275 FLEXAgraff-**CU** Metal
  Conduits
114-18276 AIRflex-**KUW-PU**
  Plastic Conduits
114-18277 ROHRflex-**PA 6**,
  ROHRflex-**PA 6 S**, ROHRflex-
  PA 12 Plastic Tubing
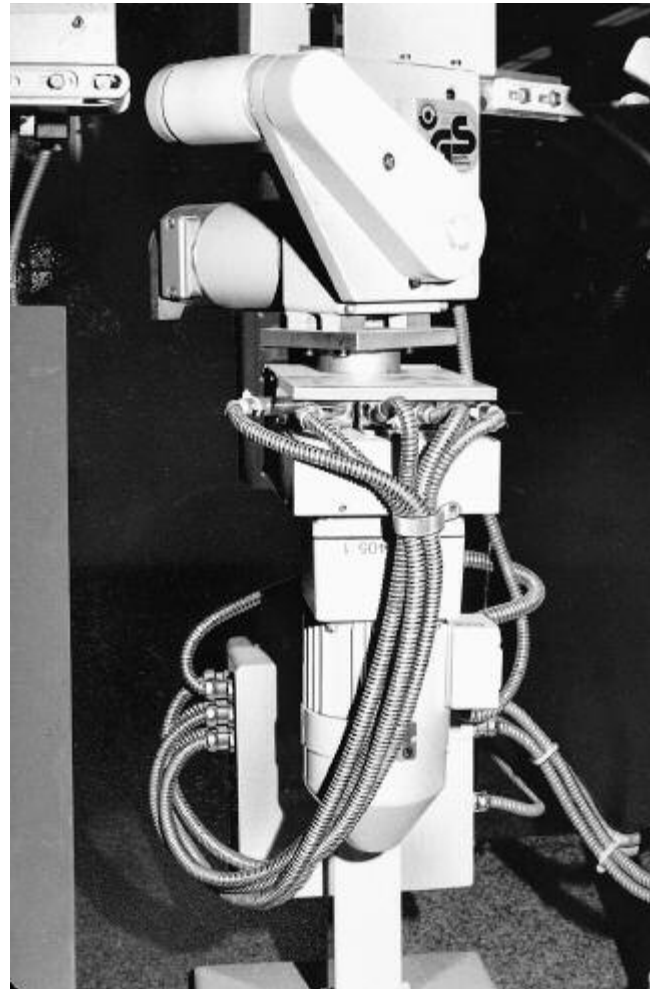
Typical Industrial Application

CPC Sealing Accessories

Circular Plastic Connectors (CPC) / FLEXAquick-System Selection Aid

CPC Shell Size	Female ROHRflex quick Connector	ROHRflex-PA 6 Plastic Tubing	Male ROHRflex quick Connector	Male ROHRflex quick Elbow Connector	Counternut	Flat Sealing Washer
11	1-969807-2	969789-2	969803-2	969817-2	796260-2	796257-2
13	1-969809-3	969789-3	969803-3	969817-3	796260-3	796257-7
17	1-969811-4	969789-4	969803-4	969817-4	796260-5	796257-8
23	2-969813-5	969789-5	969803-5	969817-5	796260-6	796257-9

NOTE:
Request Flexible Cable Protection
System Catalog 1307244.

53

Catalog 82021
Revised 7-06

www.tycoelectronics.com

Dimensions are in inches and
millimeters unless otherwise
specified. Values in brackets
are metric equivalents.

Dimensions are shown for
reference purposes only.
Specifications subject
to change.

USA: 1-800-522-6752
Canada: 1-905-470-4425
Mexico: 52-55-1106-0800
C. America: 57-1-254-4444

South America: 55-11-2103-6000
Hong Kong: 852-2735-1628
Japan: 81-44-844-8013
UK: 44-208-420-8341