

# Cord Connectors

## Straight Male

Form Size 1-4

UL Listed to Type 4, 4X, 12 and Type 13



**IP66\***  
SUITABILITY

N.P.T. Hub Size	Cord Dia. Inches (mm)	Form Size	Color Code	Machined		Stainless Steel	Nylon	
				Aluminum	Zinc-Plated Steel		Gray	Black
3/4"	.06"- .13" (1.6-3.2)		Green	SHC1029	•	•	•	•
	.13"- .19" (3.2-4.7)		Orange	SHC1030	SHC1030ZP	•	•	•
	.19"- .25" (4.7-6.3)	F2	Red	SHC1031	SHC1031ZP	•	•	•
	.25"- .38" (6.3-9.7)		White	SHC1032	SHC1032ZP	•	•	•
	.38"- .50" (9.7-12.7)		Blue	SHC1033	SHC1033ZP	•	•	•
	.50"- .63" (12.7-15.9)		Brown	SHC1034	SHC1034ZP	•	•	•
3/4"	.38"- .50" (9.5-12.7)		Blue	•	SHC1035ZP	SHC1035SS	SHC1035CR	SHC2035CR
	.50"- .63" (12.7-15.9)	F3	Brown	SHC1036	SHC1036ZP	SHC1036SS	SHC1036CR	SHC2036CR
	.63"- .75" (15.9-19.0)		Yellow	SHC1037	SHC1037ZP	SHC1037SS	SHC1037CR	SHC2037CR
	.75"- .88" (19.0-22.2)		Orchid	SHC1038**	SHC1038ZP**	SHC1038SS**	SHC1038CR**	SHC2038CR**
1"	.50"- .63" (12.7-15.9)	F3	Brown	•	SHC1097ZP	•	•	•
	.63"- .75" (15.9-19.0)		Yellow	•	SHC1098ZP	•	•	•
	.75"- .88" (19.0-22.2)		Orchid	•	SHC1099ZP	•	•	•
1"	.38"- .50" (9.7-12.7)		Blue	SHC1039	•	•	SHC1039CR	•
	.50"- .63" (12.7-15.9)		Brown	SHC1040	•	•	SHC1040CR	•
	.63"- .75" (15.9-19.0)	F4	Yellow	SHC1041	•	SHC1041SS	SHC1041CR	SHC2041CR
	.75"- .88" (19.0-22.2)		Orchid	SHC1042	•	SHC1042SS	SHC1042CR	SHC2042CR
	.88"- 1.00" (22.2-25.4)		Gray	SHC1043	SHC1043ZP	•	SHC1043CR	SHC2043CR
	1.00"- 1.13" (25.4-28.6)		Pink	SHC1044**	•	SHC1044SS**	SHC1044CR**	SHC2044CR**



Stainless Steel



Gray Nylon



Black Nylon

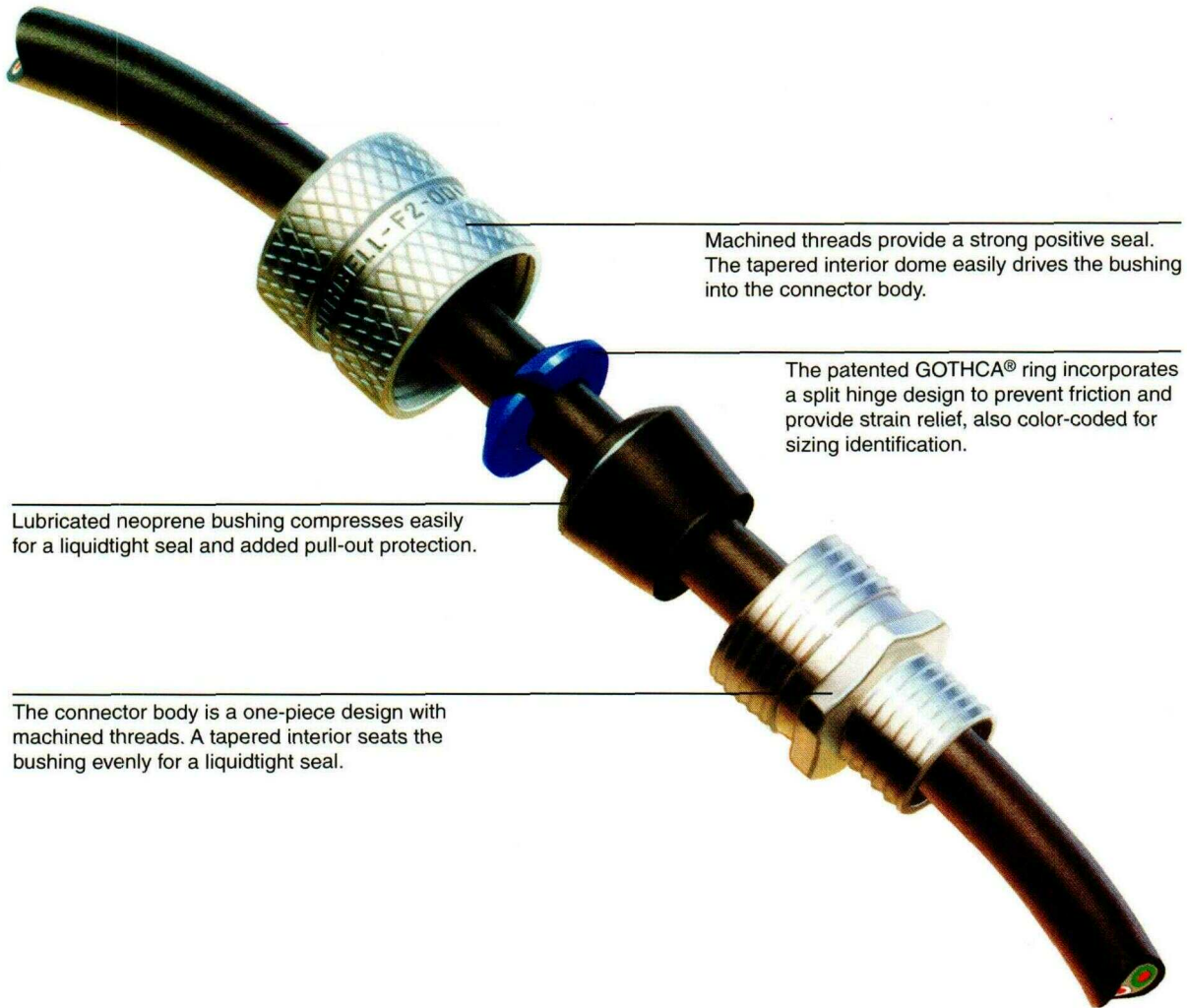
Note: See pages T-87 to T-98 for additional technical data and dimensional drawings.

\*IP66 Suitability when used with optional metal clad O-ring shown on page T-83.

\*\*Cable jacket may have to be stripped to pass through connector body.  
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.

## Cord Connectors

# Features and Benefits



Machined threads provide a strong positive seal. The tapered interior dome easily drives the bushing into the connector body.

The patented GOTHCA® ring incorporates a split hinge design to prevent friction and provide strain relief, also color-coded for sizing identification.

Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection.

The connector body is a one-piece design with machined threads. A tapered interior seats the bushing evenly for a liquidtight seal.

Hubbell has the broadest line and the widest choice of materials in the industry. N.P.T. hub sizes from 1/4" to 3" in straight male end, 90°, 45°, female and underground feed connectors. They are available in your choice of aluminum, plated steel, nylon and stainless steel.

Hubbell offers a full line of machined aluminum cord connectors in N.P.T. hub sizes 1/4" through 1" and cast aluminum 1" to 3". They provide durable performance and a clean attractive look without adding unwanted weight. N.P.T. hub sizes 1/4" to 1" feature an attractive knurled finish which makes them easy to handle and maintain a U.L. listing by hand tightening.

The zinc-plated steel cord connectors offers the strength of steel and the corrosion resistance of zinc-plating. These heavy-duty connectors hold up to most manufacturing chemicals including acid solutions, solvents and other corrosive materials.

Their machined steel nut and body allows for tightening the compression nut and N.P.T. hub without worrying about stripping the threads. For larger size cord, N.P.T. hub sizes 1" to 2", Hubbell utilizes malleable iron connectors which provide excellent holding and liquidtight performance.

Hubbell's nylon cord connectors resist most common industrial corrosives and provide highly effective pullout protection in a lightweight design. They are ideal for any application where weight, conductivity or corrosion may be an issue. They're available in N.P.T. hub sizes from 1/4" to 1".

Stainless steel cord connectors provide superior strength and corrosion resistance for industrial and military applications. They are machined from 300 series stainless steel and come in 1/4" through 1", N.P.T. hub sizes.



# Cord Connectors

## Technical Data

### Operating Temperatures

Material	Temperature Range	
Aluminum	-40°F to +300°F	(-40°C to +149°C)
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F	(-40°C to +107°C)
Plated steel*	-60°F to +1000°F	(-51°C to +537°C)
Stainless steel*	-60°F to +1000°F	(-51°C to +537°C)
Neoprene (bushings)	-30°F to +240°F	(-34°C to +115°C)

\*Due to the limiting factors of nylon and neoprene, any complete cord connector with a GOTCHA ring, Form 1-5, will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Cord connectors without GOTCHA rings, Form 6-8, will continuously operate in the range -30°F to +240°F (-34°C to +115°C) due to the limiting factor of neoprene.

### Hazardous Locations

Hubbell cord connectors are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 N.E.C. Reference 501-4(b), 502-4(a), 502-4(b), 503-3(a), and 503-3(b).

### Flammability

Hubbell nylon cord connectors have a UL 94-V2 rating.

### Approvals

#### Agency

UL Listed in accordance with Standard 514B.  
 CSA Certified.  
 United States Coast Guard Approved, Title 46-Part 111.

### Form Size Definition

The term "Form Size" refers to the physical overall size of a cord connector.  
 Form 1 is the smallest size.  
 Form 8 is the largest size.

### Knockout Holes

N.P.T. Hub Size	Knockout Hole Recommended Min. to Max.	
	Inches	(mm)
1/4"	.54"-.57"	(13.7-14.5)
3/8"	.67"-.70"	(17.0-17.8)
1/2"	.86"-.91"	(21.8-23.0)
3/4"	1.09"-1.14"	(27.8-29.0)
1"	1.36"-1.41"	(34.5-35.7)
1 1/4"	1.72"-1.77"	(43.7-44.9)
1 1/2"	1.97"-2.02"	(50.0-51.2)
2"	2.45"-2.50"	(62.3-63.5)
2 1/2"	2.95"-3.00"	(75.0-76.2)
3"	3.58"-3.63"	(90.9-92.1)

### N.P.T - PG Thread Low Profile Connectors

#### Specifications

Material: Polyamide  
 Sealing Grommet: Neoprene  
 Temperature Range: -30°C to 100°C.  
 Cord Connectors are Halogen and Silicon free.  
 Protection Class: IP68.  
 Flame Retardant: UL 94V-0.  
 Listings/Certifications: UL 514B, VDE 0619, CSA C22.2 No. 18.



SECP29G

# Cord Connectors

## Technical Data

Dimensional Charts

### Straight Hubbell Connectors

		Zinc-Plated Steel Inches (mm)						Stainless Steel Inches (mm)							
F	Form	A		B	C	D	E		A		B	C	D	E	
		A/C*	A/F*	Ref.	Throat Dia.	A/C*	A/F*	A/C*	A/F*	Throat Dia.	A/C*	A/F*			
1/4"-18	1	•	•	•	•	•	•	•	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.38" (9.7)	.87" (22.1)	.75" (19.0)
3/8"-18	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.42" (10.7)	.45" (11.4)	.99" (25.1)	.88" (22.4)	1.01" (25.7)	.88" (22.4)	.90" (22.9)	.46" (11.7)	.45" (11.4)	.87" (22.1)	.75" (19.0)
1/2"-14	1	.98" (24.9)	.88" (22.4)	.90" (22.9)	.55" (14.0)	.45" (11.4)	1.00" (25.4)	.88" (22.4)	•	•	•	•	•	•	•
1/2"-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.10" (28.2)	1.00" (25.4)	1.30" (33.0)	1.13" (28.7)	1.10" (27.9)	.54" (13.7)	.63" (16.0)	1.16" (29.5)	1.00" (25.4)
1/2"-14	3	1.55" (39.4)	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.64" (16.3)	1.40" (35.6)	1.25" (31.7)	•	•	•	•	•	•	•
3/4"-14	2	1.27" (32.3)	1.13" (28.7)	1.20" (30.5)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	•	•	•	•	•	•	•
3/4"-14	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.59" (40.4)	1.38" (35.1)	1.30" (33.0)	.56" (14.2)	.81" (20.6)	1.44" (36.6)	1.25" (31.7)
1"-11 1/2	3	1.55" (39.4)	1.38" (35.1)	1.40" (35.6)	.70" (17.8)	.89" (22.6)	1.54" (39.1)	1.38" (35.1)	•	•	•	•	•	•	•
1"-11 1/2	4	1.92" (48.8)	1.69" (42.9)	1.60" (40.6)	.70" (17.8)	1.02" (25.9)	1.95" (49.5)	1.69" (42.9)	2.02" (51.3)	1.75" (44.4)	1.40" (35.6)	.70" (17.8)	1.03" (26.2)	1.88" (47.8)	1.63" (41.4)
1"-11 1/2	5	2.40" (61.0)	•	1.70" (43.2)	.70" (17.8)	1.02" (25.9)	2.46" (62.5)	2.15" (54.6)	•	•	•	•	•	•	•
1 1/4"-11 1/2	5	2.40" (61.0)	•	1.70" (43.2)	.73" (18.5)	1.27" (32.3)	2.48" (63.0)	2.19" (55.6)	•	•	•	•	•	•	•
1 1/2"-11 1/2	5	2.40" (61.0)	•	1.70" (43.2)	.74" (18.8)	1.39" (35.3)	2.48" (63.0)	2.19" (55.6)	•	•	•	•	•	•	•
1 1/2"-11 1/2	6	3.06" (77.7)	•	2.20" (55.9)	.75" (19.0)	1.52" (38.6)	3.04" (77.2)	2.83" (71.9)	•	•	•	•	•	•	•
2"-11 1/2	6	3.06" (77.7)	•	2.20" (55.9)	.78" (19.8)	1.92" (48.8)	3.32" (84.3)	3.07" (78.0)	•	•	•	•	•	•	•
2"-11 1/2	7	3.95" (100.3)	•	2.70" (68.6)	.78" (19.8)	1.99" (50.5)	4.18" (106.2)	3.89" (98.8)	•	•	•	•	•	•	•
2 1/2"-8	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2 1/2"-8	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3"-8	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3"-8	8	•	•	•	•	•	•	•	•	•	•	•	•	•	•

\*A/C—Across Corners; A/F—Across Flats

