

Cord Connectors Straight Male

Form Size 5-8



Cast Aluminum



Cast Aluminum
Malleable Iron

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



IP66*
SUITABILITY

N.P.T. Hub Size	Cord Dia. Inches	(mm)	Form Size	Cast Aluminum	Malleable Iron†	
1"	.88"-1.00"	(22.2-25.4)	F5	SHC1046	•	
	1.00"-1.13"	(25.4-28.6)		SHC1047**	•	
	1.13"-1.25"	(28.6-31.7)		SHC1048**	•	
	1.25"-1.38"	(31.7-34.9)		SHC1049**	•	
1 1/4"	.75"- .88"	(19.0-22.2)	F5	SHC1050	•	
	.88"-1.00"	(22.2-25.4)		SHC1051	•	
	1.00"-1.13"	(25.4-28.6)		SHC1052	SHC1052ZP	
	1.13"-1.25"	(28.6-31.7)		SHC1053	SHC1053ZP	
1 1/2"	1.25"-1.38"	(31.7-34.9)	F5	SHC1054**	SHC1054ZP	
	.75"- .88"	(19.0-22.2)		SHC1055	•	
	.88"-1.00"	(22.2-25.4)		SHC1056	•	
	1.00"-1.13"	(25.4-28.6)		SHC1057	SHC1057ZP	
1 1/2"	1.13"-1.25"	(28.6-31.7)	F5	SHC1058	SHC1058ZP	
	1.25"-1.38"	(31.7-34.9)		SHC1059	SHC1059ZP	
	1.38"-1.50"	(34.9-38.1)		F6	SHC1061	•
	1.50"-1.63"	(38.1-41.3)			SHC1062**	•
1.63"-1.75"	(41.3-44.4)	SHC1063**	•			
1.75"-1.88"	(44.4-47.6)	SHC1064**	•			
2"	1.25"-1.38"	(31.7-34.9)	F6	SHC1065	•	
	1.38"-1.50"	(34.9-38.1)		SHC1066	•	
	1.50"-1.63"	(38.1-41.3)		SHC1067	•	
	1.63"-1.75"	(41.3-44.4)		SHC1068	•	
2"	1.75"-1.88"	(44.4-47.6)	F6	SHC1069	•	
	1.69"-1.81"	(42.9-46.0)		F7	SHC1070	•
	1.81"-1.94"	(46.0-49.2)			SHC1071	•
	1.94"-2.06"	(49.2-52.4)			SHC1072**	•
2.06"-2.19"	(52.4-55.6)	F7	SHC1073**		•	
2.19"-2.31"	(55.6-58.7)		SHC1074**	•		
2.31"-2.44"	(58.7-61.9)		F7	SHC1076	•	
1.69"-1.81"	(42.9-46.0)			SHC1077	•	
1.81"-1.94"	(46.0-49.2)	SHC1078		•		
1.94"-2.06"	(49.2-52.4)	SHC1079		•		
2 1/2"	2.06"-2.19"	(52.4-55.6)	F7	SHC1080	•	
	2.19"-2.31"	(55.6-58.7)		SHC1081**	•	
	2.31"-2.44"	(58.7-61.9)		F7	SHC1086	•
	1.69"-1.81"	(42.9-46.0)			SHC1087	•
1.81"-1.94"	(46.0-49.2)	SHC1088	•			
1.94"-2.06"	(49.2-52.4)	SHC1089	•			
3"	2.06"-2.19"	(52.4-55.6)	F7	SHC1090	•	
	2.19"-2.31"	(55.6-58.7)		SHC1091	•	
	2.31"-2.44"	(58.7-61.9)		F8	SHC1092	•
	2.44"-2.63"	(61.9-66.7)			SHC1093	•
2.63"-2.81"	(66.7-71.4)	SHC1094	•			
2.81"-3.00"	(71.4-76.2)	SHC1095**	•			
3"	3.00"-3.25"	(76.2-82.5)	F8			

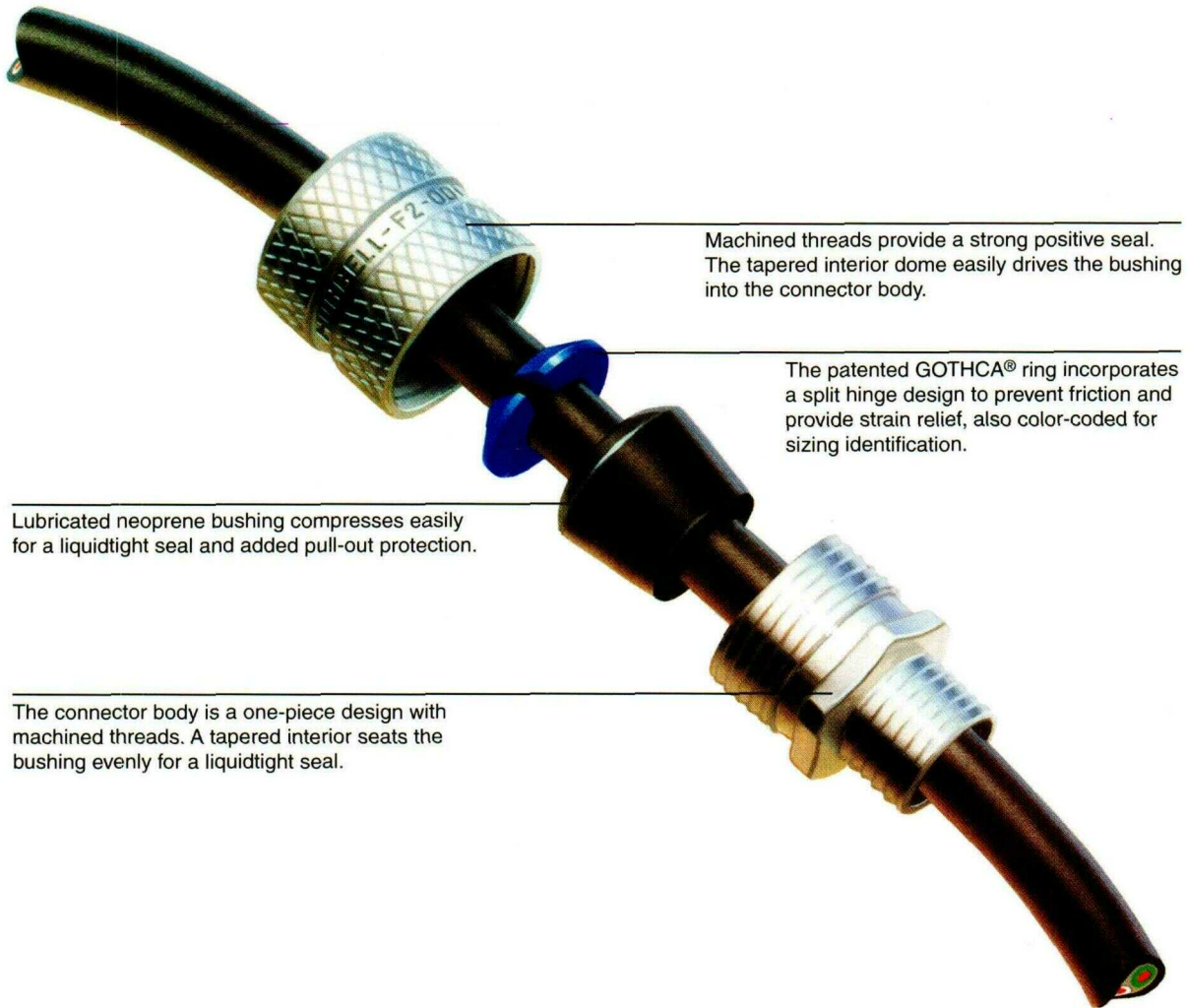
Note: See pages T-87 to T-98 for additional technical data and dimensional drawings.

*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.
F5 and larger will not be color coded.

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