

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)		SHC1061	•
	1.50"-1.63"	(38.1-41.3)		SHC1062**	•
2"	1.63"-1.75"	(41.3-44.4)	F6	SHC1063**	•
	1.75"-1.88"	(44.4-47.6)		SHC1064**	•
	1.25"-1.38"	(31.7-34.9)		SHC1065	•
	1.38"-1.50"	(34.9-38.1)		SHC1066	•
2"	1.50"-1.63"	(38.1-41.3)	F6	SHC1067	•
	1.63"-1.75"	(41.3-44.4)		SHC1068	•
	1.75"-1.88"	(44.4-47.6)		SHC1069	•
	1.69"-1.81"	(42.9-46.0)		SHC1070	•
2"	1.81"-1.94"	(46.0-49.2)	F7	SHC1071	•
	1.94"-2.06"	(49.2-52.4)		SHC1072**	•
	2.06"-2.19"	(52.4-55.6)		SHC1073**	•
	2.19"-2.31"	(55.6-58.7)		SHC1074**	•
2 1/2"	2.19"-2.31"	(55.6-58.7)	F7	SHC1076	•
	2.31"-2.44"	(58.7-61.9)		SHC1077	•
	1.69"-1.81"	(42.9-46.0)		SHC1078	•
	1.81"-1.94"	(46.0-49.2)		SHC1079	•
3"	1.94"-2.06"	(49.2-52.4)	F7	SHC1080	•
	2.06"-2.19"	(52.4-55.6)		SHC1081**	•
	2.19"-2.31"	(55.6-58.7)		SHC1086	•
	2.31"-2.44"	(58.7-61.9)		SHC1087	•
3"	1.69"-1.81"	(42.9-46.0)	F7	SHC1088	•
	1.81"-1.94"	(46.0-49.2)		SHC1089	•
	1.94"-2.06"	(49.2-52.4)		SHC1090	•
	2.06"-2.19"	(52.4-55.6)		SHC1091	•
3"	2.19"-2.31"	(55.6-58.7)	F8	SHC1092	•
	2.31"-2.44"	(58.7-61.9)		SHC1093	•
	2.44"-2.63"	(61.9-66.7)		SHC1094	•
	2.63"-2.81"	(66.7-71.4)		SHC1095**	•
3"	2.81"-3.00"	(71.4-76.2)	F8	SHC1099	•
	3.00"-3.25"	(76.2-82.5)		SHC1099**	•

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

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

F	Form	Aluminum Inches (mm)					Nylon Inches (mm)						
		A	B	C	D	E	A	B	C	D	E		
		Throat Dia.	Throat Dia.	Throat Dia.	Throat Dia.							Throat Dia.	Throat Dia.
N.P.T.		Ref.	Ref.	Ref.	Ref.	A/C*	A/F*	Ref.	Ref.	Ref.	Ref.	A/C*	A/F*
1/4"-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.32" (8.1)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.33" (8.4)	1.00" (25.4)	.93" (23.6)
3/8"-18	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	.99" (25.1)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.43" (10.9)	.45" (11.4)	1.00" (25.4)	.93" (23.6)
1/2"-14	1	.88" (22.4)	.90" (22.9)	.46" (11.7)	.44" (11.2)	1.00" (25.4)	.88" (22.4)	1.00" (25.4)	1.10" (27.9)	.46" (11.7)	.45" (11.4)	1.00" (25.4)	.93" (23.6)
1/2"-14	2	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.11" (28.2)	1.00" (25.4)	1.32" (33.5)	1.50" (38.1)	.53" (13.5)	.58" (14.7)	1.25" (31.7)	1.12" (28.4)
1/2"-14	3	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	1.13" (28.7)	1.10" (27.9)	.55" (14.0)	.64" (16.3)	1.29" (32.8)	1.13" (28.7)	•	•	•	•	•	•
3/4"-14	3	1.38" (35.1)	1.50" (38.1)	.55" (14.0)	.82" (20.8)	1.40" (35.6)	1.25" (31.7)	1.56" (39.6)	1.60" (40.6)	.55" (14.0)	.77" (19.6)	1.44" (36.6)	1.31" (33.3)
1"-11 1/2	4	1.75" (44.4)	1.60" (40.6)	.71" (18.0)	1.02" (25.9)	1.81" (46.0)	1.62" (41.1)	1.88" (47.8)	1.75" (44.4)	.70" (17.8)	1.01" (25.7)	1.84" (46.7)	1.63" (41.4)
1"-11 1/2	5	2.31" (58.7)	1.70" (43.2)	.66" (16.8)	1.01" (25.7)	2.28" (57.9)	2.00" (50.8)	•	•	•	•	•	•
1 1/4"-11 1/2	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.26" (32.0)	2.28" (57.9)	2.12" (53.8)	•	•	•	•	•	•
1 1/2"-11 1/2	5	2.31" (58.7)	1.70" (43.2)	.74" (18.8)	1.38" (35.1)	2.28" (57.9)	2.12" (53.8)	•	•	•	•	•	•
1 1/2"-11 1/2	6	3.00" (76.2)	2.20" (55.9)	.75" (19.0)	1.50" (38.1)	2.97" (75.4)	2.75" (69.8)	•	•	•	•	•	•
2"-11 1/2	6	3.00" (76.2)	2.20" (55.9)	.80" (20.3)	1.92" (48.8)	3.24" (82.4)	3.00" (76.2)	•	•	•	•	•	•
2"-11 1/2	7	3.85" (97.8)	2.70" (68.6)	.88" (22.4)	1.94" (49.3)	4.05" (102.9)	3.75" (95.2)	•	•	•	•	•	•
2 1/2"-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.32" (58.9)	4.34" (110.2)	4.02" (102.1)	•	•	•	•	•	•
2 1/2"-8	8	4.75" (120.6)	2.70" (68.6)	1.25" (31.7)	2.38" (60.5)	4.86" (123.4)	4.50" (114.3)	•	•	•	•	•	•
3"-8	7	3.85" (97.8)	2.70" (68.6)	1.30" (33.0)	2.54" (64.5)	4.34" (110.2)	4.02" (102.1)	•	•	•	•	•	•
3"-8	8	4.50" (114.3)	2.70" (68.6)	1.38" (35.1)	3.00" (76.2)	4.86" (123.4)	4.50" (114.3)	•	•	•	•	•	•

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

Dimensions shown are approximate and are subject to change without notice.

