

Cord Connectors

Straight Male

Form Size 1-3



Machined
Aluminum



Machined
Zinc-Plated Steel

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				Nylon Gray	Nylon Black
				Aluminum	Zinc-Plated Steel	Stainless Steel			
1/4"	.06"-.13" (1.6-3.2)	F1	Green	•	•	•	SHC1001CR	•	
	.13"-.19" (3.2-4.7)		Orange	SHC1002	•	•	SHC1002CR	•	
	.19"-.25" (4.7-6.3)		Red	SHC1003	•	SHC1003SS	SHC1003CR	•	
	.25"-.31" (6.3-7.9)		Black	SHC1004	•	SHC1004SS	SHC1004CR	•	
	.31"-.38" (7.9-9.5)		White	SHC1005**	•	•	SHC1005CR	SHC2005CR	
	.38"-.44" (9.5-11)		Blue	•	•	•	SHC1006CR	•	
3/8"	.06"-.13" (1.6-3.2)	F1	Green	SHC1007	•	•	•	•	
	.13"-.19" (3.2-4.7)		Orange	SHC1008	SHC1008ZP	•	SHC1008CR	SHC2008CR	
	.19"-.25" (4.7-6.3)		Red	SHC1009	•	SHC1009SS	SHC1009CR	•	
	.25"-.31" (6.3-7.9)		Black	SHC1010	SHC1010ZP	•	SHC1010CR	SHC2010CR	
	.31"-.38" (7.9-9.5)		White	SHC1011	•	SHC1011SS	SHC1011CR	SHC2011CR	
	.38"-.44" (9.5-11.0)		Blue	SHC1012	SHC1012ZP	SHC1012SS	SHC1012CR	SHC2012CR	
1/2"	.19"-.25" (4.7-6.3)	F1	Red	SHC1015	•	•	•	•	
	.25"-.31" (6.3-7.9)		Black	SHC1016	•	•	•	•	
	.31"-.38" (7.9-9.5)		White	SHC1017	•	•	•	•	
	.38"-.44" (9.5-11.0)		Blue	SHC1018	•	•	•	•	
1/2"	.06"-.13" (1.6-3.2)	F2	Green	SHC1019	•	•	SHC1019CR	•	
	.13"-.19" (3.2-4.7)		Orange	SHC1020	SHC1020ZP	SHC1020SS	SHC1020CR	•	
	.19"-.25" (4.7-6.3)		Red	SHC1021	SHC1021ZP	SHC1021SS	SHC1021CR	SHC2021CR	
	.25"-.38" (6.3-9.7)		White	SHC1022	SHC1022ZP	SHC1022SS	SHC1022CR	SHC2022CR	
	.38"-.50" (9.7-12.7)		Blue	SHC1023	SHC1023ZP	SHC1023SS	SHC1023CR	SHC2023CR	
	.50"-.62" (12.7-15.9)		Brown	SHC1024	SHC1024ZP	SHC1024SS	SHC1024CR**	SHC2024CR**	
1/2"	.38"-.50" (9.7-12.7)	F3	Blue	SHC1025	•	•	•	•	
	.50"-.63" (12.7-15.9)		Brown	SHC1026	•	•	•	•	
	.63"-.75" (15.9-19.0)		Yellow	SHC1027**	SHC1027ZP**	•	•	•	
	.75"-.88" (19.0-22.2)		Orchid	SHC1028**	SHC1028ZP**	•	•	•	

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.

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 in accordance with the NEC.

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

Knockout Hole Recommended			Knockout Hole Recommended			Knockout Hole Recommended		
N.P.T. Hub Size	Min. to Max. Inches	(mm)	PG Hub Size	Inches	(mm)	Metric Hub Size	Inches	(mm)
1/4"	.54"-.57"	(13.7-14.5)	PG7	.492"	(12.5)	M12	.472"	(12)
3/8"	.67"-.70"	(17.0-17.8)	PG9	.599"	(15.2)	M16	.629"	(16)
1/2"	.86"-.91"	(21.8-23.0)	PG11	.733"	(18.6)	M20	.787"	(20)
3/4"	1.09"-1.14"	(27.8-29.0)	PG13.5	.804"	(20.4)	M25	.984"	(25)
1"	1.36"-1.41"	(34.5-35.7)	PG16	.888"	(22.5)	M32	1.25"	(32)
1 1/4"	1.72"-1.77"	(43.7-44.9)	PG21	1.15"	(28.3)	M40	1.57"	(40)
1 1/2"	1.97"-2.02"	(50.0-51.2)	PG29	1.47"	(34.3)			
2"	2.45"-2.50"	(62.3-63.5)	PG36	1.85"	(47.0)			
2 1/2"	2.95"-3.00"	(75.0-76.2)						
3"	3.58"-3.63"	(90.9-92.1)						

N.P.T, PG and Metric Thread Low Profile Connectors

Specifications

Material: 6/6 Nylon
Gland: Buna N
Temperature Range: -22°F to 225°F (-30°C to 107°C)
Cord Connectors are Halogen and Silicon free.
Protection Class: IP66.
Flame Retardant: UL 94V-2.
Listings/Certifications: UL Listing File E-41567, UL Recognition File E-41567.
CSA File LR27378C, VDE Marks Licence #136681.



SECP29G

Cord Connectors

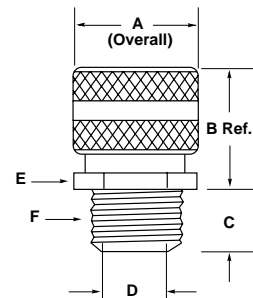
Technical Data

Dimensional Charts

Straight Hubbell Connectors

F	Aluminum Inches (mm)						Nylon Inches (mm)						
	A	B	C	D	E		A	B	C	D	E		
N.P.T.	Form	Dia.	Ref.	Throat Dia.	A/C*	A/F*	Dia.	Ref.		Throat Dia.	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)	.100" (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.