

Cord Connectors

90° Male

Form Size 1-6

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

**IP66***
SUITABILITY**Form 1-6**

N.P.T. Hub Size	Cord Dia. Inches	(mm)	Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated Steel△	Nylon Gray	Nylon Black	Cast Aluminum
3/8"	.25"-.31"	(6.3-7.9)	F1	Black	NHC1010	•	•	•	•
	.31"-.38"	(7.9-9.5)		White	NHC1011	•	•	•	•
	.38"-.44"	(9.5-11.0)		Blue	NHC1012	•	•	•	•
1/2"	.06"-.13"	(1.6-3.2)	F2	Green	•	•	•	•	•
	.13"-.19"	(3.2-4.7)		Orange	NHC1020	•	NHC1020CR	•	•
	.19"-.25"	(4.7-6.3)		Red	NHC1021	NHC1021ZP	NHC1021CR	•	•
	.25"-.38"	(6.3-9.7)		White	NHC1022	NHC1022ZP	NHC1022CR	NHC2022CR	•
	.38"-.50"	(9.7-12.7)		Blue	NHC1023	NHC1023ZP	NHC1023CR	NHC2023CR	•
	.50"-.63"	(12.7-15.9)		Brown	NHC1024**	NHC1024ZP**	NHC1024CR**	NHC2024CR**	•
3/4"	.38"-.50"	(9.7-12.7)	F3	Blue	NHC1035	NHC1035ZP	NHC1035CR	•	•
	.50"-.63"	(12.7-15.9)		Brown	NHC1036	NHC1036ZP	NHC1036CR	•	•
	.63"-.75"	(15.9-19.0)		Yellow	NHC1037	NHC1037ZP	NHC1037CR	•	•
	.75"-.88"	(19.0-22.2)		Orchid	NHC1038	NHC1038ZP	NHC1038CR	•	•
1"	.50"-.63"	(12.7-15.9)	F4	Brown	NHC1040	NHC1040ZP	•	•	•
	.63"-.75"	(15.9-19.0)		Yellow	NHC1041	NHC1041ZP	NHC1041CR	NHC2041CR	•
	.75"-.88"	(19.0-22.2)		Orchid	NHC1042	NHC1042ZP	NHC1042CR	NHC2042CR**	•
	.88"-.1.00"	(22.2-25.4)		Gray	NHC1043**	•	NHC1043CR	NHC2043CR**	•
	1.00"-.1.13"	(25.4-28.7)		Pink	NHC1044**	•	•	•	•
1 1/4"	.88"-.1.00"	(22.2-25.4)	F5	•	•	•	•	•	NHC1051
	1.00"-.1.13"	(25.4-28.6)		•	•	•	•	•	NHC1052
	1.13"-.1.25"	(28.6-31.7)		•	•	•	•	•	NHC1053**
	1.25"-.1.38"	(31.7-34.9)		•	•	•	•	•	NHC1054**
1 1/2"	1.00"-.1.13"	(25.4-28.6)	F5	•	•	•	•	•	NHC1057
	1.13"-.1.25"	(28.6-31.7)		•	•	•	•	•	•
	1.25"-.1.38"	(31.7-34.9)		•	•	•	•	•	NHC1059
2"	1.38"-.1.50"	(34.9-38.1)	F6	•	•	•	•	NHC1066	

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.

† Nuts are machined aluminum and bodies are cast aluminum.

△ Compression nuts are machined zinc-plated steel and bodies are zinc-plated malleable iron.



Machined Aluminum†



Machined Zinc-Plated Steel△



Gray Nylon



Black Nylon



Cast Aluminum

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

45° Hubbell Connectors

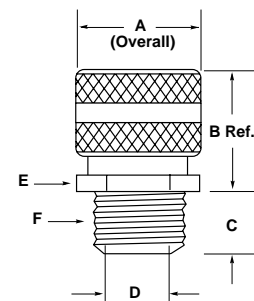
Aluminum Inches (mm)								Zinc Plated Steel Inches (mm)								
F	A	B	C	D	E		G	A	B	C	D	E		G		
N.P.T.	Form	Ref.	Ref.	Throat Dia.	Across Corners	Across Flats	Dia.	Ref.	Ref.		Throat Dia.	Across Corners	Across Flats	Across Corners	Across Flats	
1/2"-14	2	2.00" (50.8)	1.90" (48.3)	.55" (14.0)	.56" (14.2)	1.27" (32.3)	1.10" (27.9)	1.13" (28.6)	1.97" (50.0)	1.90" (48.3)	.55" (14.0)	.57" (14.4)	1.24" (31.5)	1.06" (26.9)	1.27" (32.3)	1.13" (28.6)
3/4"-14	3	2.30" (58.4)	2.50" (65.3)	.56" (14.2)	.75" (19.0)	1.48" (37.6)	1.28" (32.5)	1.38" (34.9)	•	•	•	•	•	•	•	•
1"-11 1/2	4	2.60" (66.0)	2.80" (71.1)	.70" (17.8)	1.00" (25.4)	1.69" (42.9)	1.50" (38.1)	1.75" (44.4)	•	•	•	•	•	•	•	•
1 1/2"-11 1/2	5	3.90" (99.1)	3.90" (99.1)	.74" (18.8)	1.25" (31.7)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	•	•	•	•	•	•	•	•
1 1/2"-11 1/2	5	3.90" (99.1)	3.90" (99.1)	.74" (18.8)	1.50" (38.1)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	•	•	•	•	•	•	•	•

90° Hubbell Connectors

Aluminum Inches (mm)								Zinc Plated Steel Inches (mm)								
F	A	B	C	D	E		G	A	B	C	D	E		G		
N.P.T.	Form	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.			Ref.	Throat Dia.	Across Corners	Across Flats	Across Corners	Across Flats	
3/8"-18	1	1.27" (32.3)	2.00" (50.8)	.46" (11.7)	.44" (11.2)	1.15" (29.2)	1.10" (27.9)	.88" (22.2)	•	•	•	•	•	•	•	
1/2"-14	2	1.56" (39.6)	2.30" (58.4)	.50" (12.7)	.55" (13.9)	1.30" (33.0)	1.13" (28.7)	1.13" (28.6)	1.65" (41.9)	2.38" (60.5)	.55" (14.0)	.55" (13.8)	1.29" (32.8)	1.13" (28.7)	1.27" (32.3)	1.13" (28.6)
3/4"-14	3	1.79" (45.5)	2.80" (71.1)	.56" (14.2)	.77" (19.4)	1.49" (37.8)	1.31" (33.3)	1.38" (34.9)	1.88" (47.8)	2.90" (73.7)	.56" (14.2)	.77" (19.4)	1.52" (38.6)	1.33" (33.8)	1.55" (39.2)	1.38" (34.9)
1"-11 1/2	4	2.08" (52.8)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.70" (43.2)	1.50" (38.1)	1.75" (44.4)	2.16" (54.9)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.72" (43.7)	1.50" (38.1)	1.92" (48.8)	1.69" (42.8)
1 1/4"-11 1/2	5	3.18" (80.8)	4.30" (109.2)	.73" (18.5)	1.26" (32.0)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	•	•	•	•	•	•	•	•
1 1/2"-11 1/2	5	3.18" (80.8)	4.30" (109.2)	.75" (19.2)	1.50" (38.1)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	•	•	•	•	•	•	•	•
2"-11 1/2	6	3.51" (89.2)	5.50" (139.7)	.80" (20.3)	1.92" (48.8)	2.98" (75.7)	2.78" (70.6)	3.00" (76.2)	•	•	•	•	•	•	•	•

90° Hubbell Connectors

Nylon Inches (mm)								
F	A	B	C	D	E		G	
N.P.T.	Form	Ref.		Throat Dia.	Across Corners	Across Flats	Dia.	
3/8"-18	1	•	•	•	•	•	•	
1/2"-14	2	1.41" (35.8)	2.50" (63.5)	.55" (14.0)	.58" (14.6)	1.23" (31.2)	1.12" (28.2)	1.32" (33.4)
3/4"-14	3	1.65" (41.9)	2.81" (71.4)	.56" (14.2)	.77" (19.4)	1.42" (36.1)	1.29" (32.8)	1.56" (39.6)
1"-11 1/2	4	1.99" (50.5)	3.30" (83.8)	.70" (17.8)	1.01" (25.7)	1.82" (46.2)	1.60" (40.6)	1.88" (47.6)



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