

Features

- Nickel plated brass coupling nuts and receptacle shells.
- Black overmold and cable.
- Insulgrip connector body design.
- UL Listed cable assemblies and receptacles.
- Plating resists corrosion in high abuse environments.

Benefits

- Strong, resilient base metal ensures contacts maintain their shape and continuity over time.
- Ergonomic connector body has an industrial look.
- Third party certified for electrical, mechanical and environmental performance.
- Cable assembly resists dirt and blends with environment giving a clean look to the installation.

Material Specifications

Insulator Materials	Nylon 6/6, White	Cable	#24 AWG - PVC jacket, Black, PVC conductor insulation, Copper braid - 85% coverage, Stranding 19/36
Contact Materials	Pins - Brass, Sockets Sockets - Beryllium copper		#24 AWG - TPE jacket, Black, PVC conductor insulation, Stranding - 19/36
Contact Plating	Hard gold over palladium/nickel	Strain Relief	20 pounds min per UL 2238
Overmold Material	Polyurethane, Black		
Coupling Nut, Metallic	Nickel plated brass		
Receptacle Shell	Nickel plated brass		

Electrical Specifications

Voltage Rating	125V AC/75V DC
Amperage	3&4P=4A
Contact Resistance	≤ 5 mΩ
Isolation Resistance	≥ 1000 MΩ

Environmental Specifications

Moisture Protection	UL Type 4, 4X, 12 and 13
Ingress Protection	IP66 Suitability
Operating Temperature	PVC Cable: -20° to 105° C TPE Cable: -40°C to 105° C
Corrosion Resistance	500 hours salt spray per MIL-STD-1344, Method 1001
Vibration Resistance	10 - 2,000 Hz @15g per MIL-STD1344, Method 2005

Certifications

UL 2238 and UL50E, File No. E192071

CSA Certified, C22.2 No. 182.3 and CSA C22.2 No. 94.2-07



Choose the appropriate configuration from the Selector below.

Hubbell Logic Configurator

For example, catalog number **NCTA3105** is derived as follows:

DEVICE TYPE	RETENTION STYLE	BODY STYLE	POLES	CABLE TYPE	CABLE LENGTH (m)
NC = Plug, Female	T = Threaded, Locking S = Snap On	A = Right Angle S = Straight	3 4	1 = #24 AWG PVC Cable 2 = #24 AWG TPE Cable	** 02 05 <i>**Replace with Length</i>
NC	T	A	3	1	05

Note: Availability of specific items may vary. Consult factory for delivery. Use this chart to build plugs to meet any application need. Consult the factory for additional cable lengths or cable types.

3 - 4 Pole Female Plugs

Catalog numbers using #24 AWG PVC cable are listed below. For #24 AWG TPE cable, change the cable type per the Hubbell Logic chart above.

Poles	Female Face Shown	Cable Length	Threaded, Locking		Snap Together	
			Straight	Right Angle	Straight	Right Angle
3		6.56 ft (2m) 16.40 ft (5m) All other lengths ▲	NCTS3102	NCTA3102	NCSS3102	NCSA3102
			NCTS3105	NCTA3105	NCSS3105	NCSA3105
			NCTS31**	NCTA31**	NCSS31**	NCSA31**
4		6.56 ft (2m) 16.40 ft (5m) All other lengths ▲	NCTS4102	NCTA4102	NCSS4102	NCSA4102
			NCTS4105	NCTA4105	NCSS4105	NCSA4105
			NCTS41**	NCTA41**	NCSS41**	NCSA41**

Note: ▲ Replace ** with length required in feet. For snap on retention style, replace "T" with "S" per the ordering chart above.
Example: change **NCTA3105** to **NCSA3105**.

Hubbell Logic Configurator

For example, Catalog Number **NBCS3D** is derived as follows:

DEVICE TYPE	RETENTION STYLE	BODY STYLE	POLES	CONDUCTOR TYPE
NB = Receptacle, Male	C = Combination	S = Straight	3 4	D = 0.25m #24 AWG discrete wire
NB	C	S	3	D

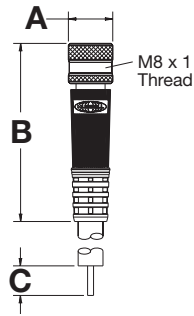
3 - 4 Pole Male Receptacles

Poles	Male Face Shown	Male Receptacle Rear Thread Style
		M8 x 1
3		NBCS3D

Poles	Male Face Shown	Male Receptacle Rear Thread Style
		M8 x 1
4		NBCS4D

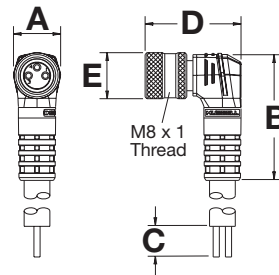
Note: Replace ** with length required in feet.

Straight Female Locking Plug



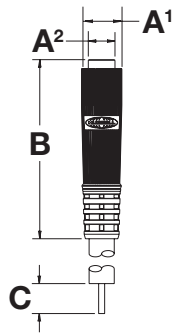
A	0.38" (9.7)
B	1.51" (38.4)
C	2.75" (69.9)

Right Angle Female Locking Plug



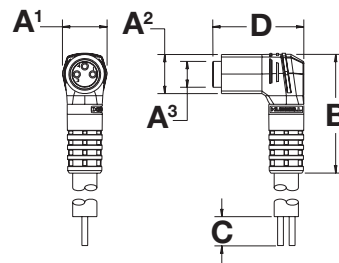
A	0.39" (9.9)
B	1.04" (26.4)
C	2.75" (69.9)
D	0.78" (19.8)
E	0.38" (9.7)

Straight Female Snap Together Plug



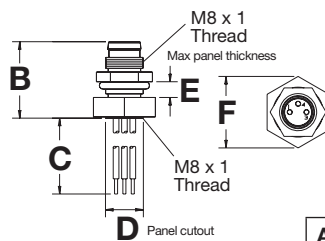
A¹	0.34" (8.6)
A²	0.22" (5.6)
B	1.50" (38.1)
C	2.75" (69.9)

Right Angle Female Snap Together Plug



A¹	0.39" (9.9)
A²	0.38" (9.7)
A³	0.22" (5.6)
B	1.04" (26.4)
C	2.75" (69.9)
D	0.79" (20.1)

Male Combination Receptacle



A	0.31" (7.9)
B	0.63" (16.0)
C	12.0" (304.8)
D	0.35" (8.8)
E	0.80" (2.0)
F	0.59" (15.0)

Cable Diameters By Cable Type

Number of Conductors	#24 AWG PVC	#24 AWG TPE
3	0.21" (5.3)	0.21" (5.3)
4	0.21" (5.3)	0.21" (5.3)

Conductor Color Code

Contact Number	3 Pole	4 Pole
1	Brown	Brown
2	Not Used	White
3	Blue	Blue
4	Black	Black