

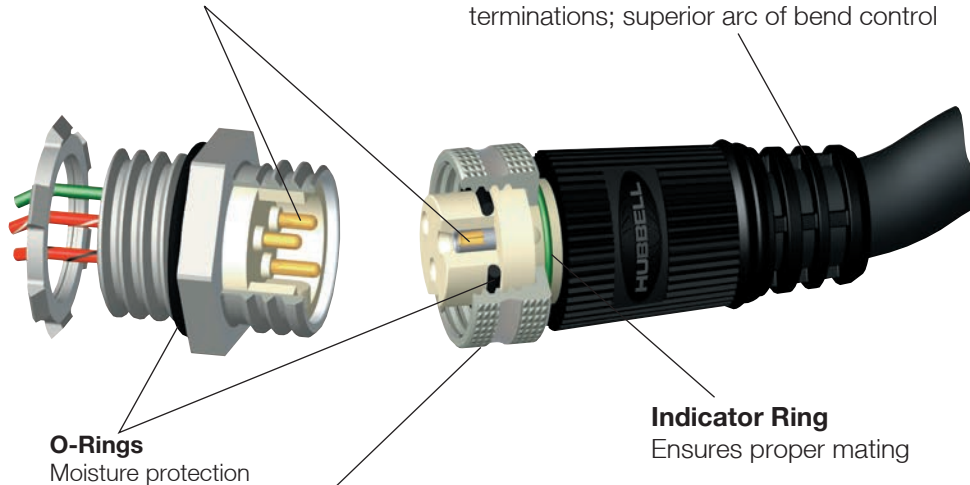


**Hard Gold Over Palladium Nickel Contact Plating**

Superior conductivity, extended contact life

**Gated Strain Relief with Graduated Window Sizes**

Improved flexibility and strength protects wire terminations; superior arc of bend control

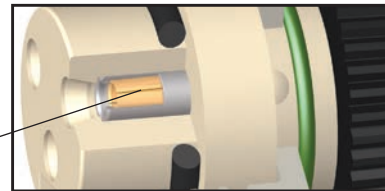


**O-Rings**  
Moisture protection

**Indicator Ring**  
Ensures proper mating

**Anti-Vibration Coupling Nut**  
Prevents coupling nut from loosening under harsh vibration conditions

**Leaded Nickel Copper Sleeved Contact**  
Extended contact life and continuity



**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**

- Cable assembly resists dirt and blends with environment giving a clean look to the installation.
- Ergonomic connector body has an industrial look.
- Third party certified for electrical, mechanical and environmental performance.

**Material Specifications**

Insulator Materials	Nylon 6/6, White
Contact Materials	Pins - Brass, Sockets Leaded nickel copper w/ stainless steel sleeve
Contact Plating	Hard gold over palladium/nickel
Overmold Material	Polyurethane, Black
Coupling Nut, Metallic	Nickel plated brass
Coupling Nut, Nylon	Nylon 6/6, Black
Receptacle Shell	Nickel plated brass, SST consult factory
Receptacle Shell, Nylon	Nylon 6/6, Black
Receptacle Shell, Right Angle	Nickel plated zinc alloy die cast, SST consult factory

Cable	#16 AWG SEOOW - TPE jacket, Black, PVC conductor insulation, Stranding - 65/34 #18 AWG SEOOW - TPE jacket, Black, PVC conductor insulation, Stranding - 41/34 #18 AWM2661 - PVC jacket, Black, PVC conductor insulation, Stranding - 41/34
Strain Relief	#16 AWG and #18 AWG - 30 pounds min per UL2238

**Electrical Specifications**

Voltage Rating	600V DC/600V AC
Amperage	#16 AWG - 2&3P=15A, 4P=12A, 5&6P=10A 7P=10A, 8&9P=9A, 10&12P=8A #18 AWG - 2&3P=11A, 4P=8A, 5&6P=7A
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	AWM2661 cables: -20°C to 105° C SEOOW 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-STD-1344, 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 **HCMA08112** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (ft)
<b>HC</b> = Plug, Female <b>HP</b> = Plug, Male <b>HJ</b> = Male/Female Jumper Cable	<b>M</b> = Metallic <b>N</b> = Nylon	<b>A</b> = Right Angle <b>S</b> = Straight	07 08 09 10 12	1 = #16 AWG SEOOW Cable	** 03 06 12 20  **Replace with Length
<b>HC</b>	<b>M</b>	<b>A</b>	<b>08</b>	<b>1</b>	<b>12</b>

Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.

### 7 - 12 Pole Plugs

Catalog numbers using #16 AWG SEOOW cable are listed below.

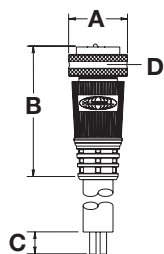
Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs		Male Plugs		Male/Female JumperCables
			Straight	Right Angle	Straight	Right Angle	Straight
7		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS07103	HCMA07103	HPMS07103	HPMA07103	HJMS07103
			HCMS07106	HCMA07106	HPMS07106	HPMA07106	HJMS07106
			HCMS07112	HCMA07112	HPMS07112	HPMA07112	HJMS07112
			HCMS071**	HCMA071**	HPMS071**	HPMA071**	HJMS071**
8		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS08103	HCMA08103	HPMS08103	HPMA08103	HJMS08103
			HCMS08106	HCMA08106	HPMS08106	HPMA08106	HJMS08106
			HCMS08112	HCMA08112	HPMS08112	HPMA08112	HJMS08112
			HCMS081**	HCMA081**	HPMS081**	HPMA081**	HJMS081**
9		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS09103	HCMA09103	HPMS09103	HPMA09103	HJMS09103
			HCMS09106	HCMA09106	HPMS09106	HPMA09106	HJMS09106
			HCMS09112	HCMA09112	HPMS09112	HPMA09112	HJMS09112
			HCMS091**	HCMA091**	HPMS091**	HPMA091**	HJMS091**
10		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS10103	HCMA10103	HPMS10103	HPMA10103	HJMS10103
			HCMS10106	HCMA10106	HPMS10106	HPMA10106	HJMS10106
			HCMS10112	HCMA10112	HPMS10112	HPMA10112	HJMS10112
			HCMS101**	HCMA101**	HPMS101**	HPMA101**	HJMS101**
12		3 ft/0.91m) 6 ft/1.83m) 12 ft/3.66m) All other lengths▲	HCMS12103	HCMA12103	HPMS12103	HPMA12103	HJMS12103
			HCMS12106	HCMA12106	HPMS12106	HPMA12106	HJMS12106
			HCMS12112	HCMA12112	HPMS12112	HPMA12112	HJMS12112
			HCMS121**	HCMA121**	HPMS121**	HPMA121**	HJMS121**

Note: ▲ Replace \*\* with length required in feet. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.  
Example: change HPMA07106 to HPNA07106.



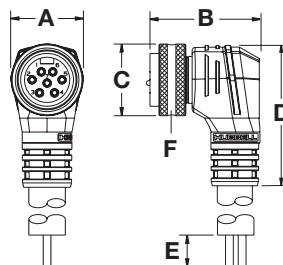
### Straight Plug

### Right Angle Plug



7 - 8 Pole		
	MALE	FEMALE
A	1.12" (28.5)	1.12" (28.5)
B	2.53" (64.3)	2.49" (63.3)
C	2.75" (69.9)	2.75" (69.9)
D	1 - 16 UN Thread	

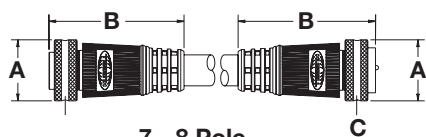
9 - 12 Pole		
	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	2.77" (70.4)	2.73" (69.3)
C	2.75" (69.9)	2.75" (69.9)
D	1 1/8 - 16 UN Thread	



7 - 8 Pole		
	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.73" (43.9)	1.69" (42.9)
C	1.12" (28.5)	1.12" (28.5)
D	2.22" (56.4)	2.22" (56.4)
E	2.75" (69.9)	2.75" (69.9)
F	1 - 16 UN Thread	

9 - 12 Pole		
	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	1.84" (47.0)	1.80" (45.7)
C	1.25" (31.8)	1.25" (31.8)
D	2.54" (64.5)	2.54" (64.5)
E	2.75" (69.9)	2.75" (69.9)
F	1 1/8 - 16 UN Thread	

### Jumper Cable



7 - 8 Pole		
	MALE	FEMALE
A	1.12" (28.5)	1.12" (28.5)
B	2.53" (64.3)	2.49" (63.3)
C	1 - 16 UN Thread	

9 - 12 Pole		
	MALE	FEMALE
A	1.25" (31.8)	1.25" (31.8)
B	2.77" (70.4)	2.73" (69.3)
C	1 1/8 - 16 UN Thread	

### Cable Diameters By Cable Type

Number of Conductors	#16 AWG STOOW
7	0.52" (13.2)
8	0.56" (14.2)
9	0.60" (15.2)
10	0.65" (16.7)
12	0.70" (17.7)

### Conductor Color Code

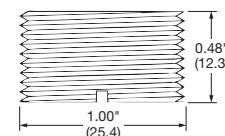
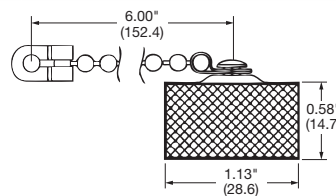
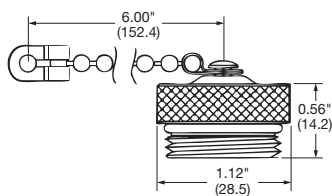
#### #16 AWG SEOOW Plugs

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole	7 Pole	8 Pole	9 Pole	10 Pole	12 Pole
1	White	Green	Black	White	White	White/Black	Orange	Orange	Orange	Orange
2	Black	Black	White	Red	Red	Black	Blue	Blue	Blue	Blue
3		White	Red	Green	Green	White	White/Black	Red/Black	White/Black	White/Black
4			Green	Orange	Orange	Red	Black	Green/Black	Red/Black	Red/Black
5				Black	Black	Orange	White	White	Green/Black	Green/Black
6					Blue	Blue	Red	Red	Orange/Black	Orange/Black
7						Green	Green	Green	Red	Blue/Black
8							Red/Black	White/Black	Green	Black/White
9								Black	Black	Green
10									White	Red
11										White
12										Black

### Accessories

Closure caps protect plugs and receptacles when not in use. Adapter rings allow the mating of male and female plugs for in-line applications.

Description	Closure Cap			Closure Cap			Adapter Ring		
	Shell Size	Thread Size	Catalog Number	Shell Size	Thread Size	Catalog Number	Shell Size	Thread Size	Catalog Number
7 to 8 Pole	II	1 - 16 UN	<b>HPCAP2</b>	II	1 - 16 UN	<b>HRCAP2</b>	II	1 - 16 UN	<b>HMQR2</b>
9 to 12 Pole	III	1 1/8 - 16UN	<b>HPCAP3</b>	III	1 1/8 - 16UN	<b>HRCAP3</b>	III	1 1/8 - 16UN	<b>HMQR3</b>
Cap Size	II- 1.12" (28.5), III- 1.25" (31.8)			II- 1.13" (28.6), III- 1.25" (31.8)			II- 1.00" (25.4), III- 1.13" (28.6)		



Dimensions in Inches (mm)