

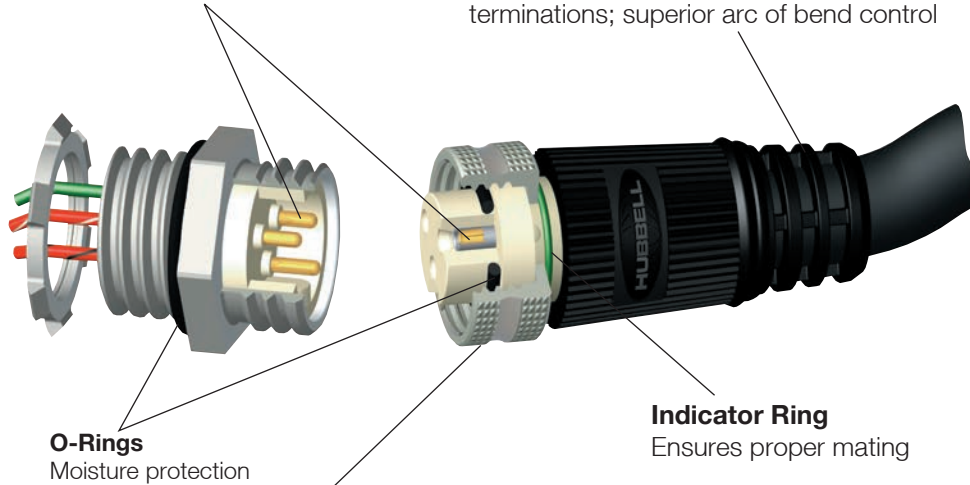


**Hard Gold Over Palladium Nickel Contact Plating**

Superior conductivity, extended contact life

**Gated Strain Relief with Graduated Window Sizes**

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

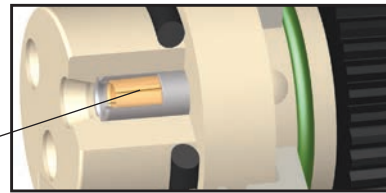


**O-Rings**  
Moisture protection

**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 **HRMS10501** is derived as follows:

DEVICE TYPE	SHELL MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	LEAD WIRE LENGTH (ft)
<b>HR</b> = Receptacle, Female <b>HB</b> = Receptacle, Male	<b>M</b> = Metallic	<b>S</b> = Straight	07 08 09 10 12	5 = #16 AWG Discrete Wire	01* **  *1 Standard Length **Replace with Length
↓	↓	↓	↓	↓	↓
<b>HR</b>	<b>M</b>	<b>S</b>	<b>10</b>	<b>5</b>	<b>01</b>

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

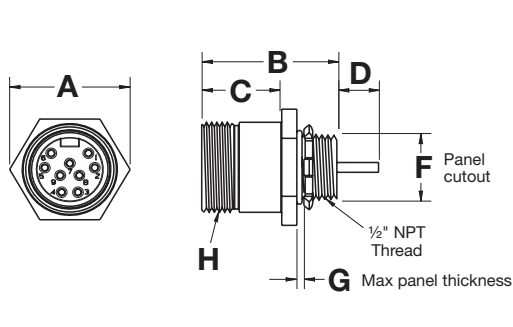
### 7 - 12 Pole Receptacles

#16 AWG Discrete Wire

Poles	Male Face Shown Female - mirror image	Female Receptacles	Male Receptacles
7		<b>HRMS07501</b>	<b>HBMS07501</b>
8		<b>HRMS08501</b>	<b>HBMS08501</b>
9		<b>HRMS09501</b>	<b>HBMS09501</b>
10		<b>HRMS10501</b>	<b>HBMS10501</b>
12		<b>HRMS12501</b>	<b>HBMS12501</b>



### Straight Receptacles



#### 7 - 8 Pole

	MALE	FEMALE
<b>A</b>	1.29" (32.8)	1.29" (32.8)
<b>B</b>	1.44" (36.6)	1.44" (36.6)
<b>C</b>	0.80" (20.3)	0.80" (20.3)
<b>D</b>	12.0" (304.8)	12.0" (304.8)
<b>F</b>	0.83" (21.1)	0.83" (21.1)
<b>G</b>	0.25" (6.4)	0.25" (6.4)
<b>H</b>	1 - 16 UN Thread	

#### 9 - 12 Pole

	MALE	FEMALE
<b>A</b>	1.44" (36.6)	1.44" (36.6)
<b>B</b>	1.62" (41.2)	1.62" (41.2)
<b>C</b>	0.96" (24.4)	0.96" (24.4)
<b>D</b>	12.0" (304.8)	12.0" (304.8)
<b>F</b>	0.83" (21.1)	0.83" (21.1)
<b>G</b>	0.25" (6.4)	0.25" (6.4)
<b>H</b>	1 1/8 - 16 UN Thread	

### Conductor Color Code

#### #16 AWG Receptacles

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)