

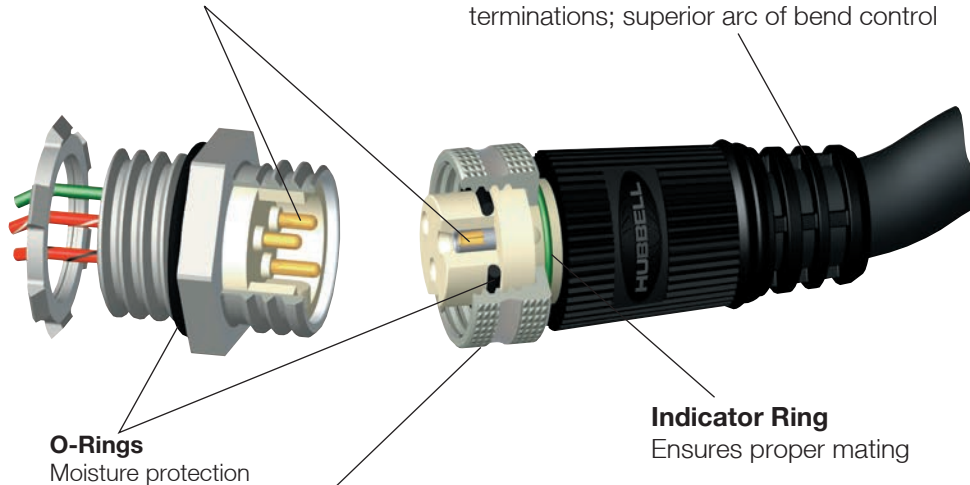


Hard Gold Over Palladium Nickel Contact Plating

Superior conductivity, extended contact life

Gated Strain Relief with Graduated Window Sizes

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

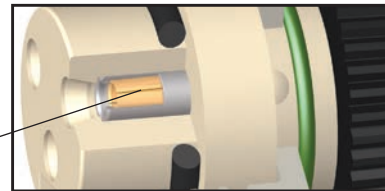


O-Rings
Moisture protection

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 **HBMS05501** is derived as follows:

DEVICE TYPE	SHELL MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	LEAD WIRE LENGTH (ft)
HR = Receptacle, Female HB = Receptacle, Male	M = Metallic N = Nylon	A = Right Angle* S = Straight F = Flange Mount* <i>*Metallic Only</i>	02 03 04 05 06	5 = #16 AWG Discrete Wire 6 = #18 AWG IEC Discrete Wire (IEC colors)* <i>*3 - 5 Pole Only</i>	01 * ** <i>*1 Standard Length **Replace with Length</i>
HB	M	S	05	5	01

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

2 - 6 Pole Receptacles

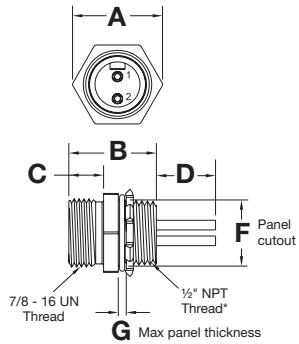
#16 AWG Discrete Wire ♦

Poles	Male Face Shown Female - mirror image	Female Receptacles				Male Receptacles			
		Straight	Nylon	Right Angle	Flange Mount	Straight	Nylon	Right Angle	Flange Mount
2		HRMS02501	HRNS02501	HRMA02501	HRMF02501	HBMS02501	HBNS02501	HBMA02501	HBMF02501
3		HRMS03501	HRNS03501	HRMA03501	HRMF03501	HBMS03501	HBNS03501	HBMA03501	HBMF03501
4		HRMS04501	HRNS04501	HRMA04501	HRMF04501	HBMS04501	HBNS04501	HBMA04501	HBMF04501
5		HRMS05501	HRNS05501	HRMA05501	HRMF05501	HBMS05501	HBNS05501	HBMA05501	HBMF05501
6		HRMS06501	HRNS06501	HRMA06501	HRMF06501	HBMS06501	HBNS06501	HBMA06501	HBMF06501

Note: ♦ For #18 AWG IEC discrete wire, change the conductor type using the Hubbell Logic chart above.



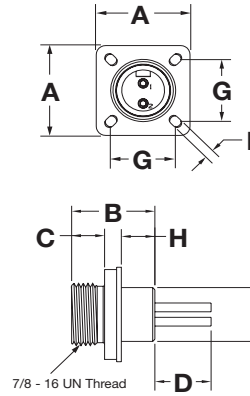
Straight Receptacles



	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.11" (28.2)	1.11" (28.2)
C	0.44" (11.2)	0.44" (11.2)
D	12.0" (304.8)	12.0" (304.8)
F	0.88" (22.4)	0.83" (22.4)
G	0.25" (6.4)	0.25" (6.4)

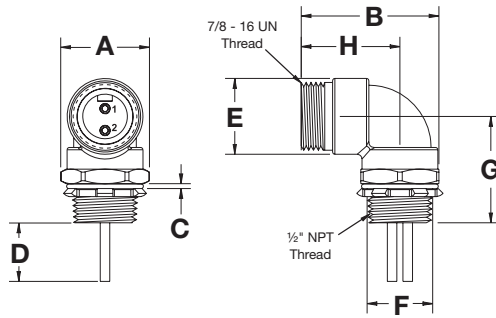
Note: *IEC receptacle has PG13.5 rear thread.

Flange Mount Receptacles



	MALE	FEMALE
A	1.25" (31.75)	1.25" (31.75)
B	1.11" (28.19)	1.11" (28.19)
C	0.44" (11.18)	0.44" (11.18)
D	12.0" (304.8)	12.0" (304.8)
F	0.75" (19.05)	0.75" (19.05)
G	0.86" (21.84)	0.86" (21.84)
H	0.45" (11.43)	0.45" (11.43)
I	0.12" (03.02)	0.12" (03.02)

Right Angle Receptacles



	MALE	FEMALE
A	1.14" (29.0)	1.14" (29.0)
B	1.76" (44.7)	1.76" (44.7)
C	0.25" (6.4)	0.25" (6.4)
D	12.0" (304.8)	12.0" (304.8)
E	0.97" (24.6)	0.97" (24.6)
F	0.83" (21.8)	0.83" (21.8)
G	1.36" (34.5)	1.36" (34.5)
H	1.26" (32.0)	1.26" (32.0)

Accessories

Closure caps protect plugs and receptacles when not in use. Shell size is 1, and the thread is 7/8-16 UN.

Description	Catalog Number
Closure Cap	HPCAP1
Closure Cap	HRCAP1

Dimensions in Inches (mm)

Color Code By Wire Type

#16 AWG Receptacles

Contact Number	2 Pole	3 Pole	4 Pole	5 Pole	6 Pole
1	White	Green	Black	White	White
2	Black	Black	White	Red	Red
3		White	Red	Green	Green
4			Green	Orange	Orange
5				Black	Black
6					Blue

#18 AWG Receptacles

Contact Number	3 Pole	4 Pole	5 Pole
1	Yellow/Green	Black	Black
2	Brown	Blue	Blue
3	Blue	Brown	Yellow/Green
4		White	Brown
5			White