

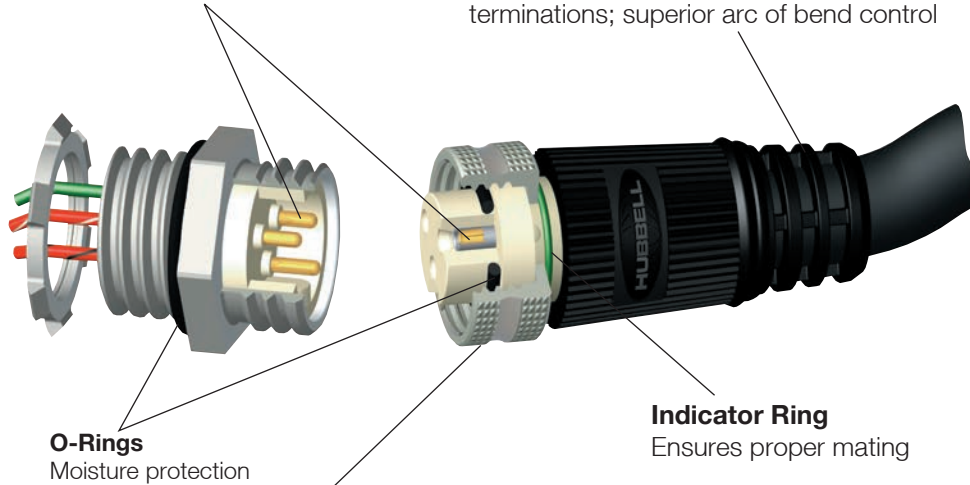


Hard Gold Over Palladium Nickel Contact Plating

Superior conductivity, extended contact life

Gated Strain Relief with Graduated Window Sizes

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

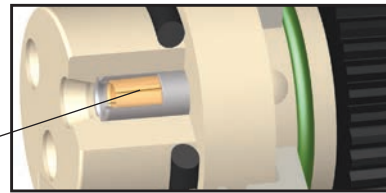


O-Rings
Moisture protection

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 SEOW - TPE jacket, Black, PVC conductor insulation, Stranding - 65/34 #18 AWG SEOW - 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 SEOW 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

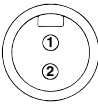
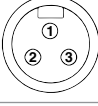

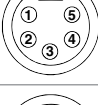
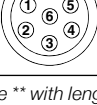
For example, catalog number **HCMA05212** is derived as follows:

DEVICE TYPE	COUPLING NUT MATERIAL	BODY STYLE	POLES	CONDUCTOR TYPE	CABLE LENGTH (ft)
HC = Plug, Female HP = Plug, Male HI = Plug, Male Inline♦ HE = Male/Female Extension Cable♦ HJ = Male/Female Jumper Cable	M = Metallic N = Nylon	A = Right Angle S = Straight	02 03 04 05 06	1 = #16 AWG SEOOW Cable 3 = #18 AWM2661 IEC Cable* 4 = #18 AWG SEOOW Cable <i>*3 - 5 Pole Only</i>	** 03 06 12 20 <i>**Replace with Length</i>
HC	M	A	05	1	12

Note: Availability of specific items may vary. Consult factory for delivery. Consult the factory for additional cable lengths or cable types.
 ♦ Available with metallic coupling nut only.

2 - 6 Pole Plugs

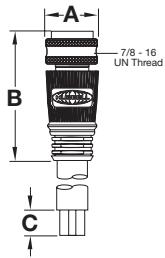
Catalog numbers using #16 AWG SEOOW cable are listed below. For #18 AWG SEOOW or #18 AWM2661 IEC cable, change the conductor type per the Hubbell Logic chart above.

Poles	Male Face Shown Female - mirror image	Cable Length	Female Plugs		Male Plugs		Male/Female JumperCables
			Straight	Right Angle	Straight	Right Angle	Straight
2		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS02103	HCMA02103	HPMS02103	HPMA02103	HJMS02103
			HCMS02106	HCMA02106	HPMS02106	HPMA02106	HJMS02106
			HCMS02112	HCMA02112	HPMS02112	HPMA02112	HJMS02112
			HCMS021**	HCMA021**	HPMS021**	HPMA021**	HJMS021**
3		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS03103	HCMA03103	HPMS03103	HPMA03103	HJMS03103
			HCMS03106	HCMA03106	HPMS03106	HPMA03106	HJMS03106
			HCMS03112	HCMA03112	HPMS03112	HPMA03112	HJMS03112
			HCMS031**	HCMA031**	HPMS031**	HPMA031**	HJMS031**
4		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS04103	HCMA04103	HPMS04103	HPMA04103	HJMS04103
			HCMS04106	HCMA04106	HPMS04106	HPMA04106	HJMS04106
			HCMS04112	HCMA04112	HPMS04112	HPMA04112	HJMS04112
			HCMS041**	HCMA041**	HPMS041**	HPMA041**	HJMS041**
5		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS05103	HCMA05103	HPMS05103	HPMA05103	HJMS05103
			HCMS05106	HCMA05106	HPMS05106	HPMA05106	HJMS05106
			HCMS05112	HCMA05112	HPMS05112	HPMA05112	HJMS05112
			HCMS051**	HCMA051**	HPMS051**	HPMA051**	HJMS051**
6		3 ft (0.91m) 6 ft (1.83m) 12 ft (3.66m) All other lengths▲	HCMS06103	HCMA06103	HPMS06103	HPMA06103	HJMS06103
			HCMS06106	HCMA06106	HPMS06106	HPMA06106	HJMS06106
			HCMS06112	HCMA06112	HPMS06112	HPMA06112	HJMS06112
			HCMS061**	HCMA061**	HPMS061**	HPMA061**	HJMS061**

Note: ▲ Replace ** with length required in feet. For nylon coupling nuts, replace "M" with "N" per the ordering chart above.
 Example: change **HPMA05106** to **HPNA05106**.

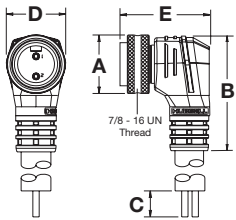


Straight Plug



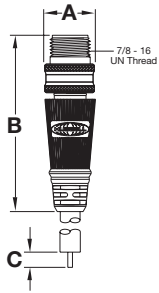
	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.44" (62.0)	2.40" (61.0)
C	2.75" (69.9)	2.75" (69.9)

Right Angle Plug



	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.14" (54.4)	2.14" (54.4)
C	2.75" (69.9)	2.75" (69.9)
D	1.03" (26.2)	1.03" (26.2)
E	1.64" (40.6)	1.60" (40.6)

Inline Plug



	MALE
A	0.99" (25.2)
B	2.47" (62.8)
C	2.75" (69.9)

Right Angle version also available.

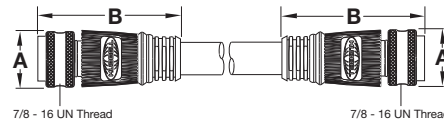
Accessories

Closure caps protect plugs and receptacles when not in use. Adapter rings allow the mating of male and female plugs for in-line applications. Shell size is 1, and the thread is 7/8-16 UN.

Description	Catalog Number
Closure Cap	HPCAP1
Closure Cap	HRCAP1
Adapter Ring	HMQR1

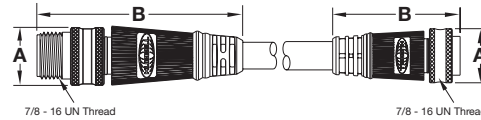
Dimensions in Inches (mm)

Jumper Cable



	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.44" (62.0)	2.40" (61.0)

Male/Female Extension Cable



	MALE	FEMALE
A	0.99" (25.2)	0.99" (25.2)
B	2.47" (62.7)	2.40" (61.0)

Cable Diameters By Cable Type

Number of Conductors	#16 AWG SEOOW	#18 AWG SEOOW
2	0.37" (9.4)	0.35" (8.9)
3	0.39" (9.9)	0.37" (9.4)
4	0.42" (10.7)	0.39" (9.9)
5	0.50" (12.7)	0.47" (11.9)
6	0.52" (13.2)	0.48" (12.2)

Number of Conductors	#18 AWM2661 IEC
3	0.26" (6.6)
4	0.26" (6.6)
5	0.26" (6.6)

Conductor Color Code

#16 AWG SEOOW Plugs

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 SEOOW Plugs

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

#18 AWM 2661 IEC

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