

MICRO CIRCULAR RATCHETING

Series	# of Contacts	Termination Type	Shell Material and Finish	Shell Type	Options, cont.
RMC Male (P - Pin)	5	WD: Discrete Lead Wire	Standard N: Nickel Plated Aluminum	SR: Inline Shell w/ Strain Relief	C Color Coded
	12				
Female (S - Socket)	16	WC: Cable	Non-Standard Options BN: Black Nickel Plated Aluminum	ST: Inline Shell w/ Shrink Tube	OM Inline Shell w/ Overmold
	27				
	39		P: Passivated Stainless Steel	IS: Inline Shell (Shell only)	OR O-Ring
		Wire/Cable Length: 18.0=18.0" Standard Option "XX.X" = Custom Length i.e. 23.4" 26 AWG Max	OX: Black Oxide Finished Steel		IP68



Female (S - Socket)



*Insulator colors may be black or off-white

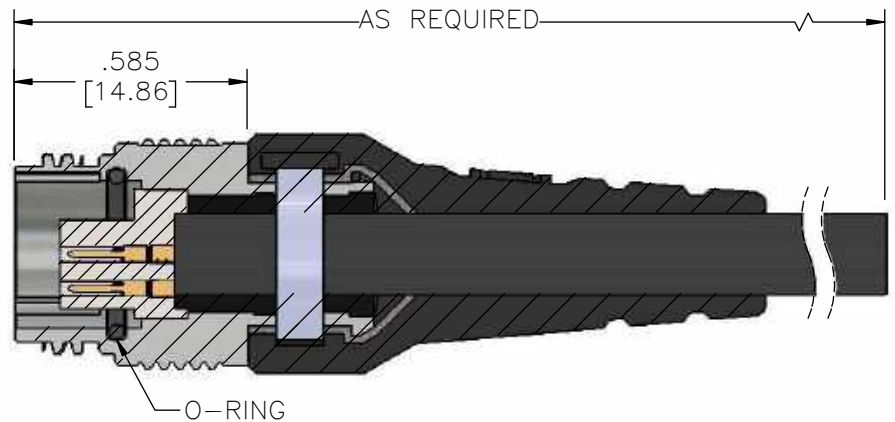
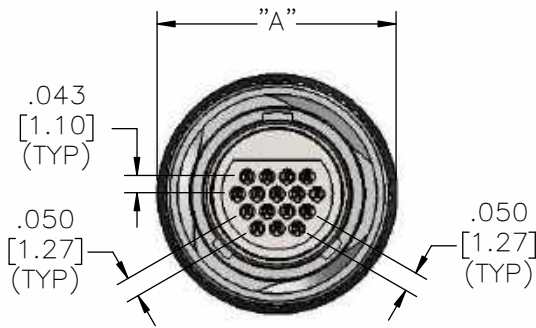
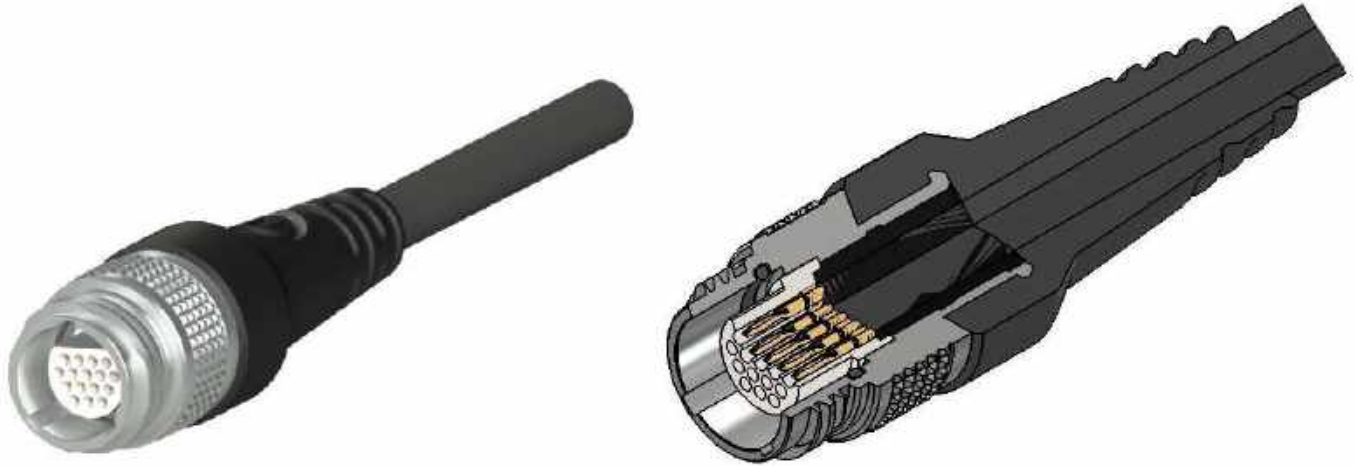


EXAMPLE:
RMCS-16-WC-18.0-C-IS-N-OM-IP68



Metal - Pin - Ratcheting - Cabled - Inline - IP68

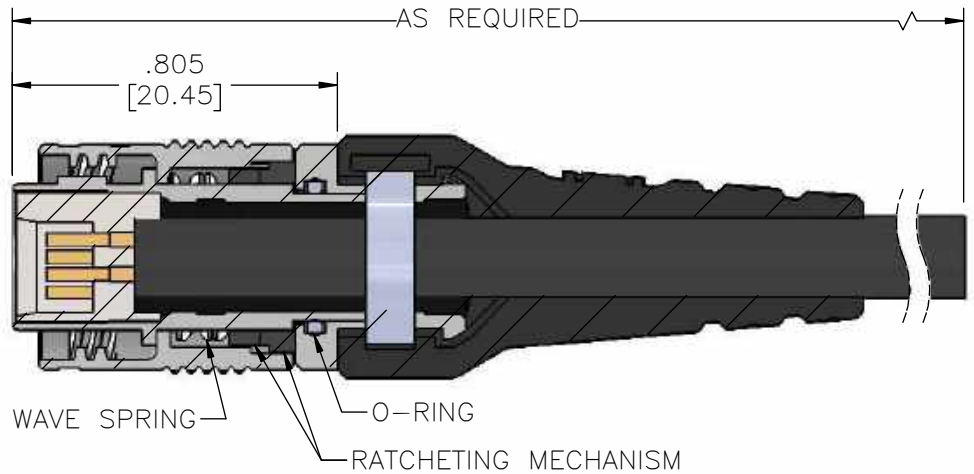
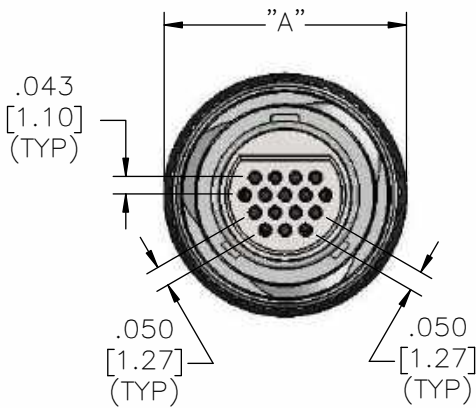
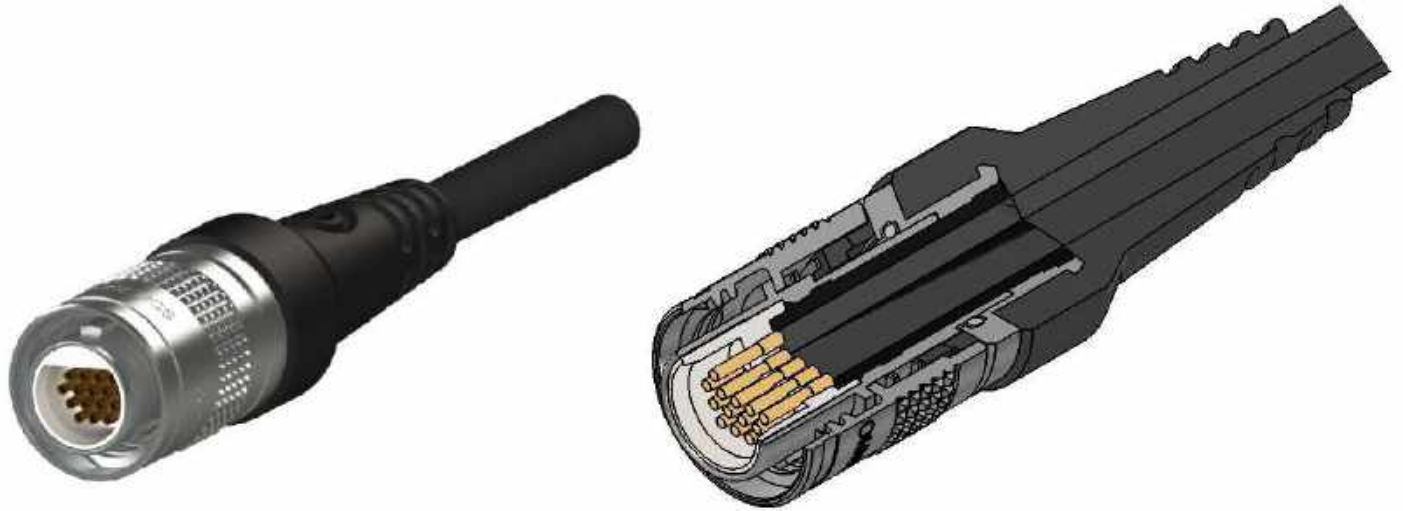
RMCP-WC-OM-IS-IP68



English (IN) Metric (MM)

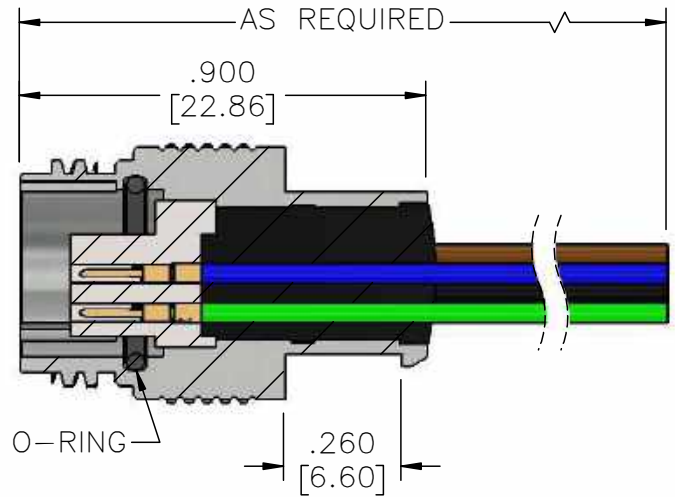
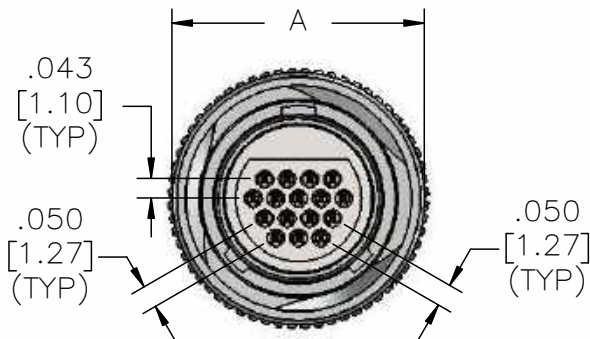
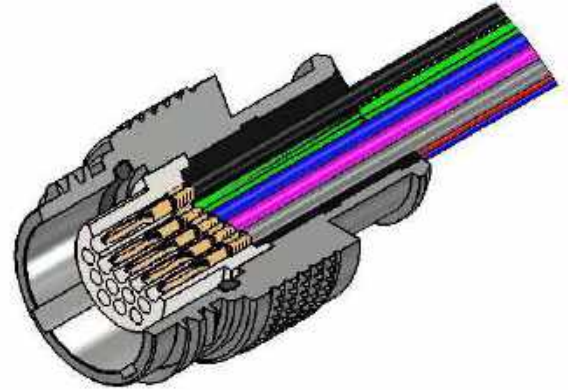
Part #	Contacts	A	A
A22493-001	5	0.510	12.95
A22500-001	12	0.550	13.97
A22507-001	16	0.600	15.24
A22514-001	27	0.670	17.02
A22557-001	39	0.780	19.81

**Metal - Socket - Ratcheting -
Cabled - Inline - IP68**
RMCS-WC-OM-IS-IP68



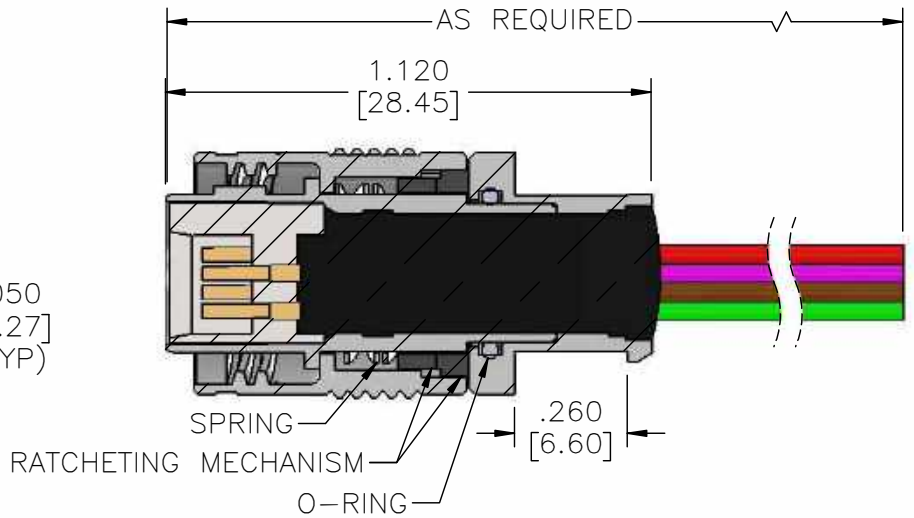
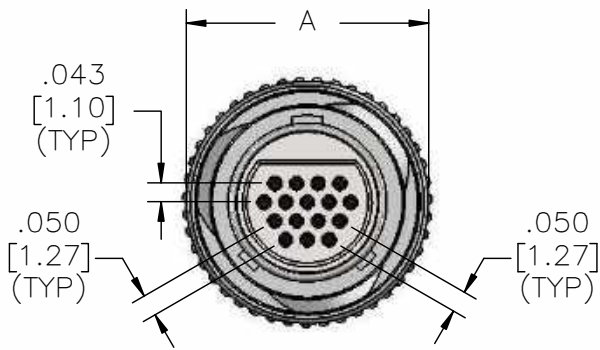
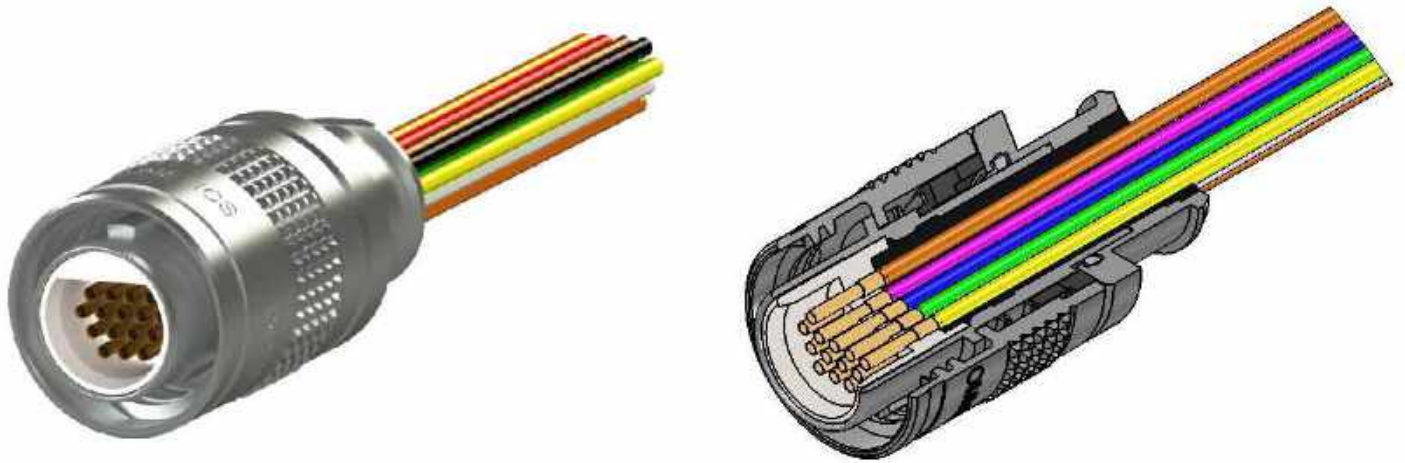
Part #	Contacts	English	Metric
		(IN)	(MM)
A22492-001	5	A	A
A22499-001	12	0.510	12.95
A22506-001	16	0.550	13.97
A22513-001	27	0.600	15.24
A22559-001	39	0.670	17.02
		0.780	19.81

Metal - Pin - Ratcheting - Wired RMCP-WD



Part #	Contacts	English	Metric
		(IN)	(MM)
A22491-001	5	A	A
A22498-001	12	0.470	11.94
A22505-001	16	0.520	13.21
A22512-001	27	0.570	14.48
A22556-001	39	0.640	16.26

Metal - Socket - Ratcheting - Wired RMCS-WD



Part #	Contacts	English	Metric
		(IN)	(MM)
A22490-001	5	A	A
A22497-001	12	0.470	11.94
A22504-001	16	0.520	13.21
A22511-001	27	0.570	14.48
A22558-001	39	0.640	16.26
		0.710	18.03

MICRO 360[®] Metal

Micro Circular Ratcheting

Optional IP68 rating



Electrical-Mechanical Specifications

- Performance: _____ Product family tested to and passed or exceeded the performance specifications of Table VIII of MIL-DTL-83513
- Contact Resistance: _____ 26 Milliohm Max (65mV Drop Max) @ 2.5 Amps per MIL-DTL-83513
- Current Rating: _____ 3 Amps per MIL-DTL-83513
- Operating Temperature: _____ -55°C to 125°C (200°C with High Temp Epoxy)
IP68 overmold -55°C to 85°C
- Durability: _____ >2000 mating cycles min
- Insulation Resistance: _____ 5000 megohms @ 500 VDC
- Shock: _____ 50 g's with no discontinuities > 1 microsecond
- Vibration: _____ 20 g's with no discontinuities > 1 microsecond
- Mating/Unmating Force: _____ 3 oz (85 g) typical per contact
- Thermal Vacuum Outgassing (Space Class): _____ NASA SP-R-0022

Material Specifications

- Contact: _____ Copper Alloy Per MIL-DTL-83513
- Contact Finish: _____ Gold per ASTM B488, Type II, Class 1.27, Code C
Over Nickel Underplate
- Insulator: _____ Thermoplastic per MIL-M-24519
- Overmold: _____ Black Thermoplastic Polyurethane
- O-Ring: _____ BUNA-N
- Cable (Shielded): _____ 26 AWG, (7-34) Tinned Copper, PFA Color Coded, Black Polyurethane Jacket

Shell Options

- Aluminum 6061: _____ Electroless Nickel per SAE-AMS-2404
Black Nickel per MIL-P-18317
- Stainless Steel, 300 Series: _____ Passivated per SAE-AMS-2700
Black Oxide Finish per MIL-DTL-13924, Class 4*, Passivated per SAE-AMS-2700

* less resistance to salt spray test.