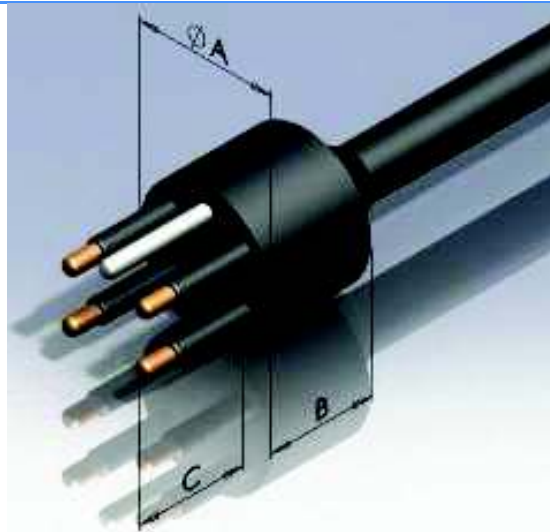




**Products**

Standard Circular (SC)

Standard Circular Inline Connector (SCIL)



SCIL Data Table

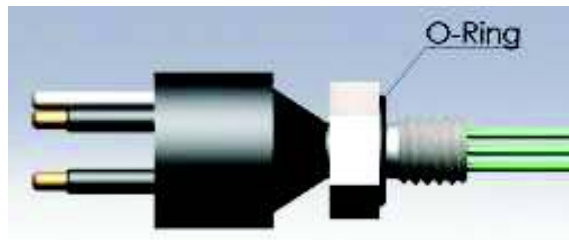
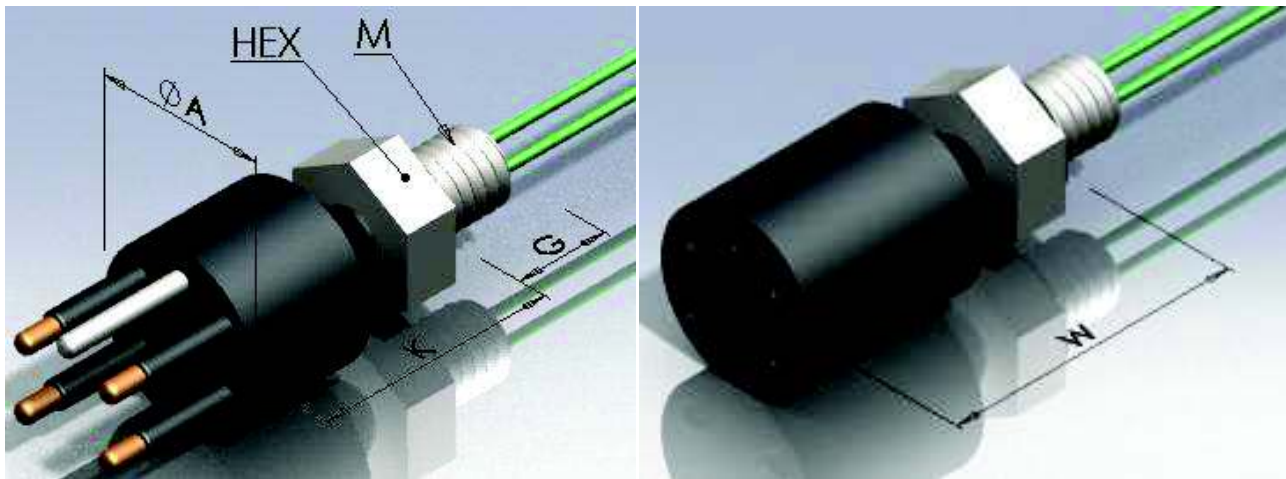
Number of contacts	2	3	4	5	6	8	10	12	16
Dim. A [mm]	25	25	25	25	32	32	32	40.5	40.5
Dim. B [mm]	19	19	19	19	19	19	19	25.5	25.5
Dim. C [mm]	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
Dim. L [mm]	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
Locking Sleeve Type:	FLS-A, MLS-A	FLS-A, MLS-A	FLS-A, MLS-A	FLS-A, MLS-A	FLS-B, MLS-B	FLS-B, MLS-B	FLS-B, MLS-B	FLS-C, MLS-C	FLS-C, MLS-C
Cable OD [mm]	7.5	8.1	9	12.2	12.3	13.5	15	16	18
Cable current [A]	12	12	12	12	10	10	10	10	10
Ordering number for Male	SCIL2M	SCIL3M	SCIL4M	SCIL5M	SCIL6M	SCIL8M	SCIL10M	SCIL12M	SCIL16M
Ordering number for Female	SCIL2F	SCIL3F	SCIL4F	SCIL5F	SCIL6F	SCIL8F	SCIL10F	SCIL12F	SCIL16F
Note:									

Contact Information



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 www.birnsaquamate.com

**BIRNS Aquamate™** LLC  
Standard Circular Bulk Head Connector (SCBH)



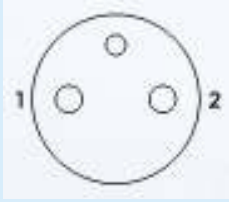
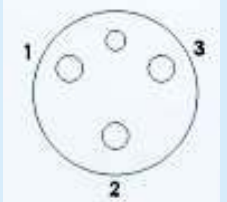
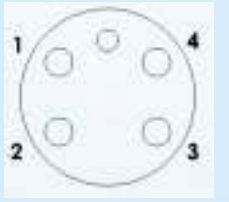
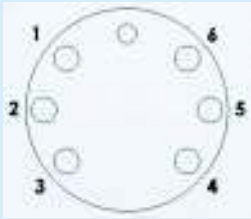
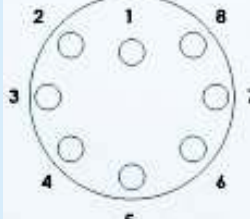
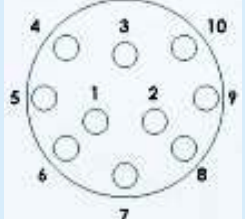
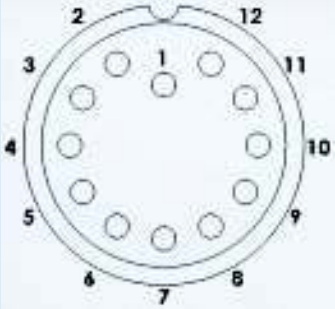
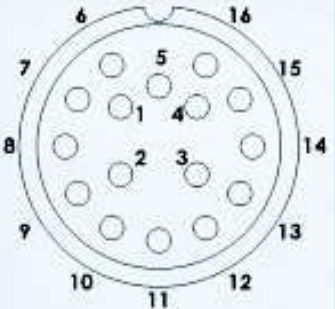
SCBH Data Table

Number of contacts	2	3	4	5	6	8	10	12	16
M[inch thread]	7/16-20 UNF	7/16-20 UNF	7/16-20 UNF	7/16-20 UNF	5/8-18 UNF	5/8-18 UNF	5/8-18 UNF	5/8-18 UNF	5/8-18 UNF
Dim. A [mm]	25	25	25	25	32	32	32	40.5	40.5
Dim. K [mm]	36	36	36	36	41	41	41	38.5	38.5
Dim. G [mm]	14	14	14	14	14 or 19	14 or 19	14 or 19	14 or 19	14 or 19
HEX [mm]	19	19	19	19	24	24	24	24	24
Dim. W [mm]	45	45	45	45	50	50	50	45	45
O-Ring [material: Nitrile]	2-014	2-014	2-014	2-014	2-017	2-017	2-017	2-017	2-017
Locking Sleeve Type:	FLS-A, MLS-A	FLS-A, MLS-A	FLS-A, MLS-A	FLS-A, MLS-A	FLS-B, MLS-B	FLS-B, MLS-B	FLS-B, MLS-B	FLS-C, MLS-C	FLS-C, MLS-C
Ordering number for Male	SCBH2M	SCBH3M	SCBH4M	SCBH5M	SCBH6M	SCBH8M	SCBH10M	SCBH12M	SCBH16M
Ordering number for Female	SCBH2F	SCBH3F	SCBH4F	SCBH5F	SCBH6F	SCBH8F	SCBH10F	SCBH12F	SCBH16F
Note:									

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Contact Layout - SC			
Number of contacts	2	3	4
Contact layout (Female) "A" size			
Number of contacts	6	8	10
Contact layout (Female) "B" size			
Number of contacts	12	16	
Contact layout (Female) "C" size			

Specification - SC			
Operational		Material	
Max Current	10A	Molding	Low Carbon Neoprene
Max Voltage	600V	Bulkhead	Brass, 316 Stainless, Titanium
Insulation	>250megaohm	Contacts	Gold plated per MIL-G 45204 Type II, Grade D, Class 00
Contacts	<0.01 ohm	Pin	Phosphor Bronze
Matings	>750	Sockets	Beryllium Copper
Temperature	-5C - +65C	Location Pin	316 Stainless
Depth	>600 bar	In-line cable	60cm, AWG 18 (0.82mm <sup>2</sup> ) 16/30 stranding
		BH leads	30cm, AWG 18 Teflon, (0.97mm <sup>2</sup> ) 19/30 stranding

Contact Information

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Wire Color Code - SCIL									
Designated wire	Number of contacts on connector								
	2	3	4	5	6	8	10	12	16
Wire 1	Black	Black	Black	Black	Black	Black	Black	Black	Black
Wire 2	White	White	White	White	White	White	White	White	White
Wire 3		Red	Red	Red	Red	Red	Red	Red	Red
Wire 4			Green	Green	Green	Green	Green	Green	Green
Wire 5				Orange	Orange	Orange	Orange	Orange	Orange
Wire 6					Blue	Blue	Blue	Blue	Blue
Wire 7						White/Black	White/Black	White/Black	White/Black
Wire 8						Red/Black	Red/Black	Red/Black	Red/Black
Wire 9							Green/Black	Green/Black	Green/Black
Wire 10							Orange/Black	Orange/Black	Orange/Black
Wire 11								Blue/Black	Blue/Black
Wire 12								Black/White	Black/White
Wire 13									Red /White
Wire 14									Green /White
Wire 15									Blue /White
Wire 16									Black/ Red

Contact Information

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