

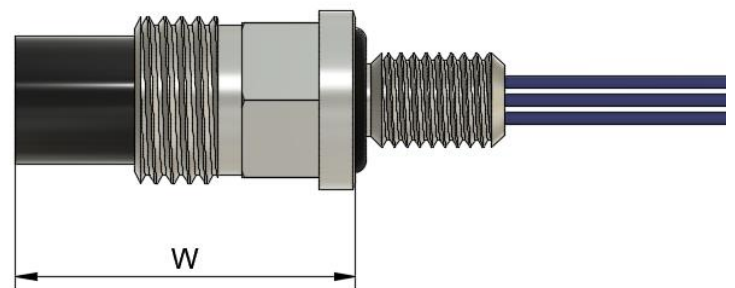
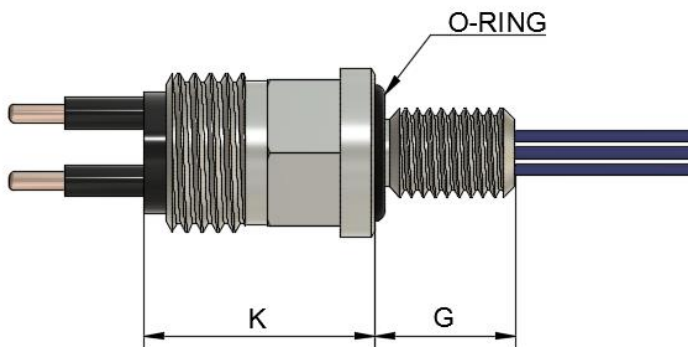
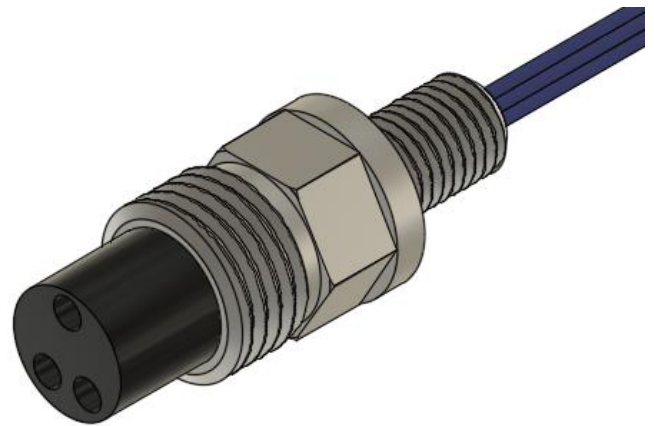
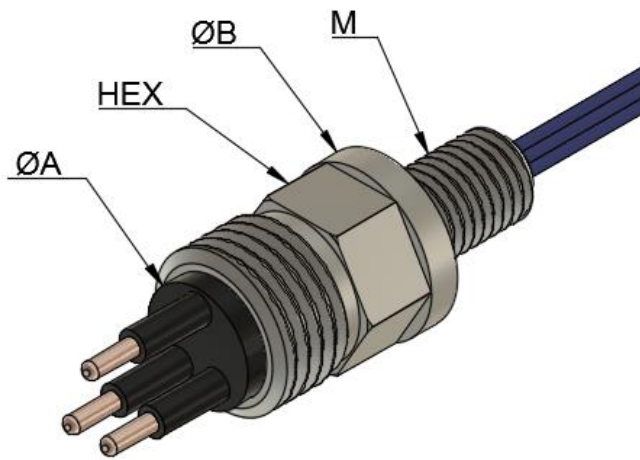
## Tiny Connector (TC)

### Inline Connector (TCIL)



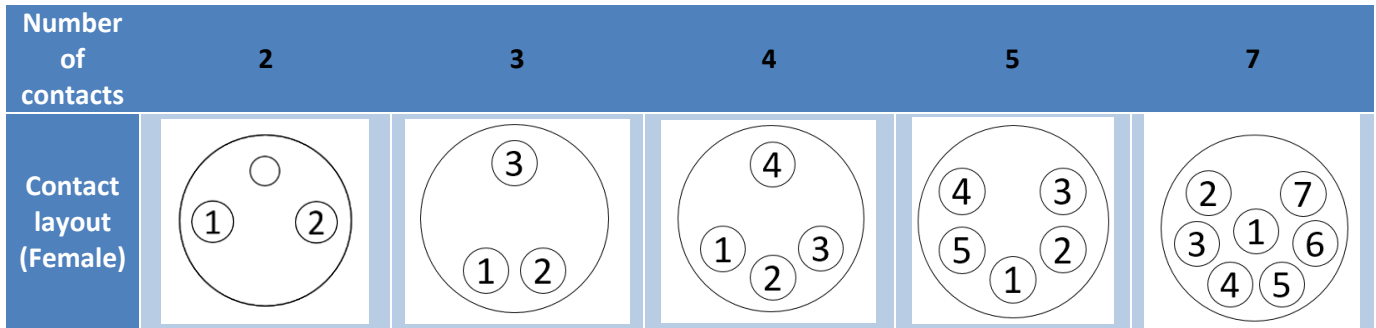
Number of contacts	2	3	4	5	7
Dim. A [mm]	11	11	11	11	11
Dim. B [mm]	15.5	15.5	15.5	15.5	15.5
Dim. C [mm]	12	12	12	12	12
Dim. L [mm]	23.5	23.5	23.5	23.5	23.5
Locking Sleeve Type:	FLS-TC, MLS-TC	FLS-TC, MLS-TC	FLS-TC, MLS-TC	FLS-TC, MLS-TC	FLS-TC, MLS-TC
Cable OD [mm]	5.6	6.5	5.5	5.8	6.0
Cable current [A]	7	7	7	7	4.4
Ordering number for Male	TCIL2M	TCIL3M	TCIL4M	TCIL5M	TCIL7M
Ordering number for Female	TCIL2F	TCIL3F	TCIL4F	TCIL5F	TCIL7F

**Bulk Head Connector (TCBH)**



Number of contacts	2	3	4	5	7
Dim. A [mm]	11	11	11	11	11
Dim. B [mm]	15	15	15	15	15
M[inch thread]	5/16-24 2A UNF	5/16-24 2A UNF	5/16-24 2A UNF	5/16-24 2A UNF	5/16-24 2A UNF
Dim. K [mm]	20.5	20.5	20.5	20.5	20.5
Dim. G [mm]	12.5	12.5	12.5	12.5	12.5
HEX [mm]	13	13	13	13	13
Dim. W [mm]	28.5	28.5	28.5	28.5	28.5
O-Ring [material: Nitrile]	2-012	2-012	2-012	2-012	2-012
Locking Sleeve Type:	FLS-TC, MLS-TC	FLS-TC, MLS-TC	FLS-TC, MLS-TC	FLS-TC, MLS-TC	FLS-TC, MLS-TC
Ordering number for Male	TCBH2MSS	TCBH3MSS	TCBH4MSS	TCBH5MSS	TCBH7MSS
Ordering number for Female	TCBH2FSS	TCBH3FSS	TCBH4FSS	TCBH5FSS	TCBH7FSS

TC data



Specification TC			
Operational		Material	
Max Current	2-5 contacts: 7A 7 contacts: 4.4A	Molding	Low Carbon Neoprene
Max Voltage	300V	Bulkhead	316 Stainless
Insulation	>200megaohm	Contacts	Gold plated per MIL-G 45204 Type II, Grade D, Class 00
Contacts	<0.01 ohm	Pin	Phosphor Bronze
Matings	>500	Sockets	Beryllium Copper
Temperature	-5C - +65C	Location Pin	316 Stainless
Depth	>600 bar	In-line cable	2-5 contacts: 60cm AWG20 (0.5 mm <sup>2</sup> ) 26/34 stranding 7 contacts: 60cm, AWG22 (0.3 mm <sup>2</sup> ) 7/30 stranding
		BH leads	2-5 contacts: 30cm, AWG20 Teflon (0.5 mm <sup>2</sup> ) 19/32 strands 7 contacts: 30cm, AWG22 Teflon (0.3 mm <sup>2</sup> ) 7/30 strands

Wire color code - TCIL					
Designated wire	Number of contacts on connector				
	2	3	4	5	7
Wire 1	Black	Black	Black	Black	Black
Wire 2	White	White	White	White	White
Wire 3		Green	Red	Red	Red
Wire 4			Green	Green	Green
Wire 5				Orange	Orange
Wire 6					Blue
Wire 7					Brown