

WM Standard Round Watertight Electrical Connector

Main technical parameters

Hydrostatic pressure :140Mpa
Qualified test pressure :80Mpa
Nominal voltage :600VDC/AC
Nominal current :10A single contact (connector Max. 50A)
Insulation resistance :>200MQ
Contact resistance :<10mQ
Wet insertion and removal times :>500 times
Working temperature (water):-4°C~60°C
Operating temperature (air):-40°C ~60°C



Material

Socket housing:

- **Standard:** 316L stainless steel
- **Optional:** 6061 aluminum alloy hard anodized treatment, PEEK

Insulator: neoprene

Contact: gold plated copper alloy

Positioning pin :316L stainless steel

O laps: nitrile rubber

Cable: Neoprene or polyurethane sheathed cable conductor 18AWG, 16AWG standard

Socket tail wire: PTFE insulated wire,18AWG

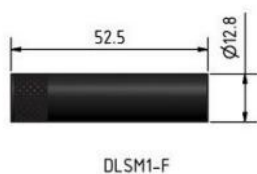
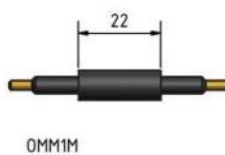
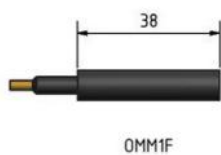
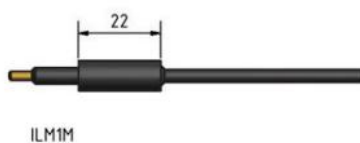


Standard stowage current table

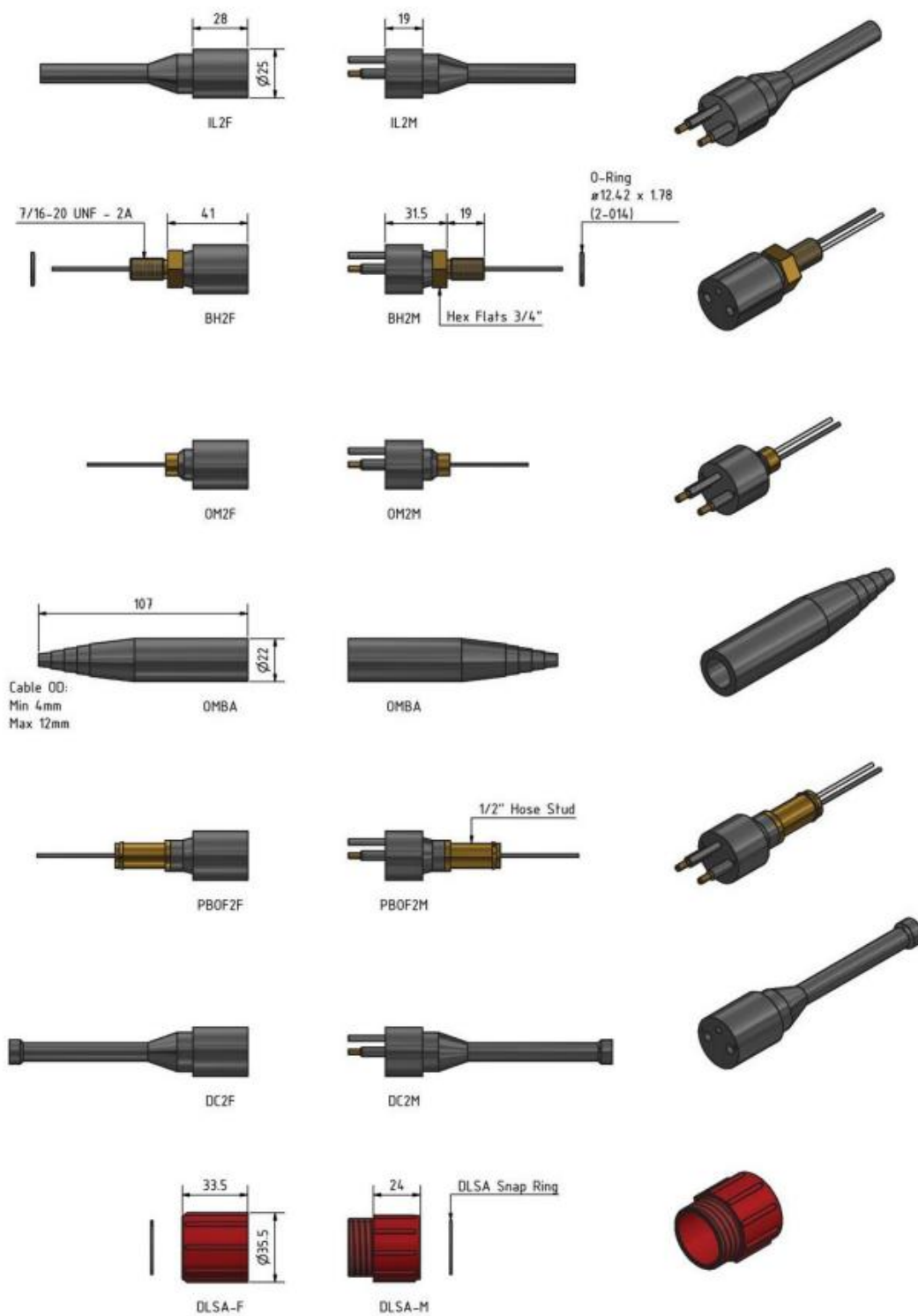
Number of cores	BH line number	1L line number	Current-carrying
1	18AWG	18AWG	16A
2	18AWG	16AWG/18AWG	Single core 10A (Max. 20A entire connector)
3	18AWG	16AWG/18AWG	Single core 10A (Max. 30A entire connector)
4	18AWG	16AWG/18AWG	Single core 10A (Max. 30A entire connector)
5	18AWG	18AWG	Single core 10A (Max. 30A entire connector)
6	18AWG	16AWG/18AWG	Single core 10A (Max. 50A entire connector)
8	18AWG	16AWG/18AWG	Single core 10A (Max. 50A entire connector)
10	18AWG	18AWG	Single core 10A (Max. 50A entire connector)
12	18AWG	18AWG	Single core 10A (Max. 60A entire connector)
16	18AWG	18AWG	Single core 10A (Max. 60A entire connector)
25	3X18AWG/22X22AWG	18AWG	Single core 3X10A/22X5A (Max. 60A entire connector)



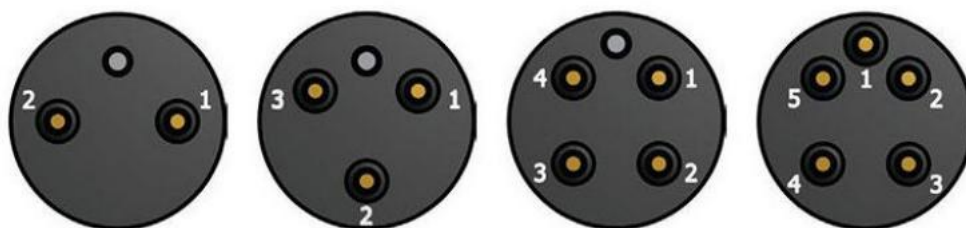
WM Standard round -1 core dimensions



WM Standard Round -2,3,4,5 core dimensions



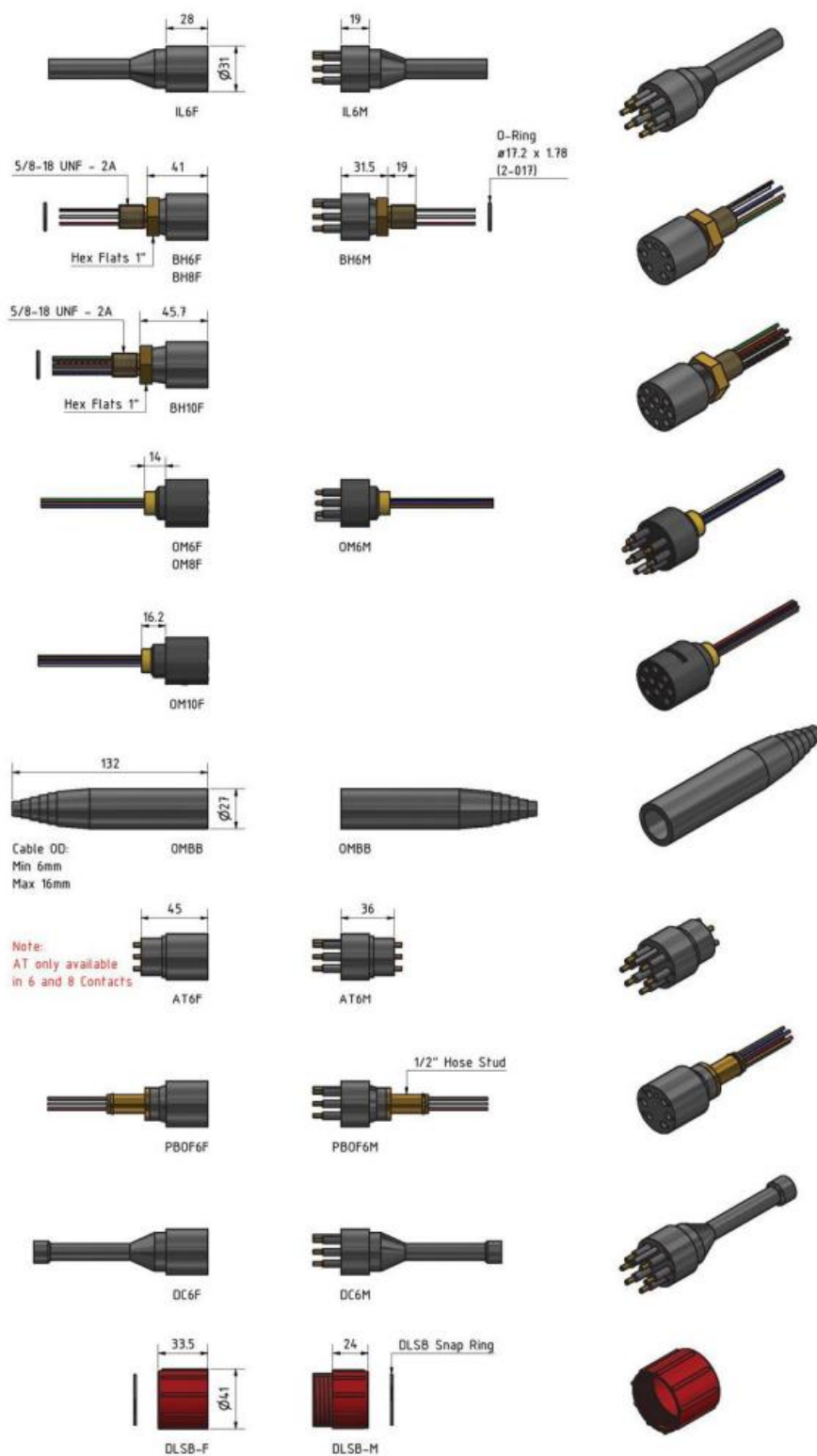
WM Standard round - 2,3,4, 5-core contact arrangement



Pin face



WM Standard round - 6,8, 10-core dimensions



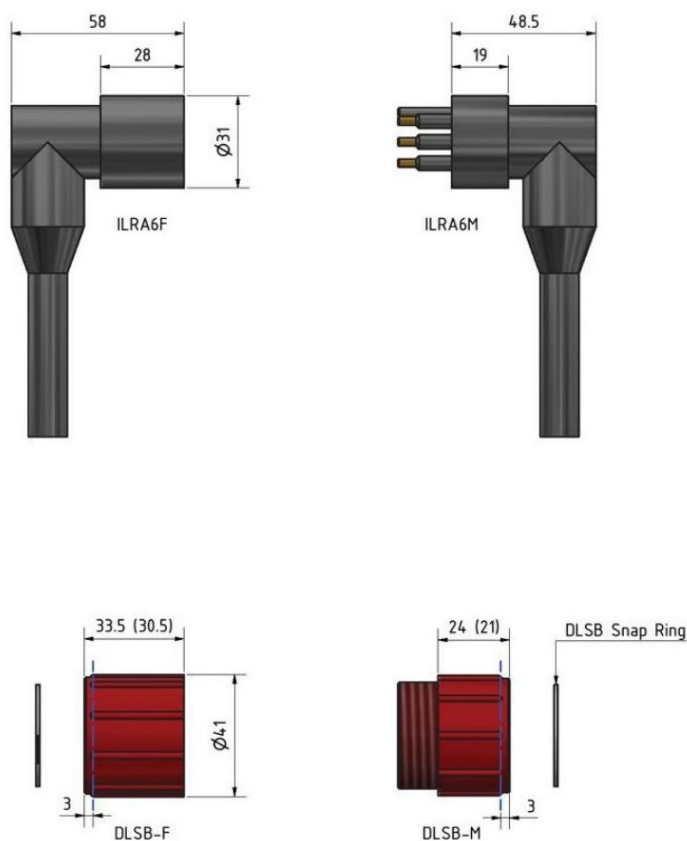
WM Standard round -6,8, 10-core contact arrangement



Pin face

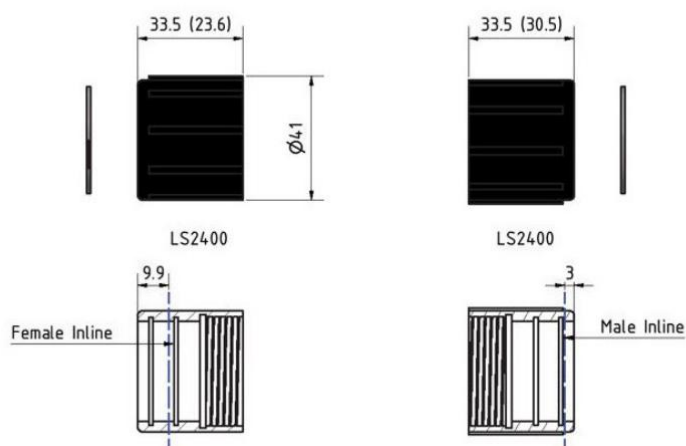


WM Standard quasi-circular right Angle - 6,8,10 core dimensions



Note:

Locking Sleeve has to be modified to 30.5/21 to fit this RA connector.



Note:

When used with Metal Shell 2400 Locking Sleeve has to be modified to 23.6/30.5 to fit this RA connector.

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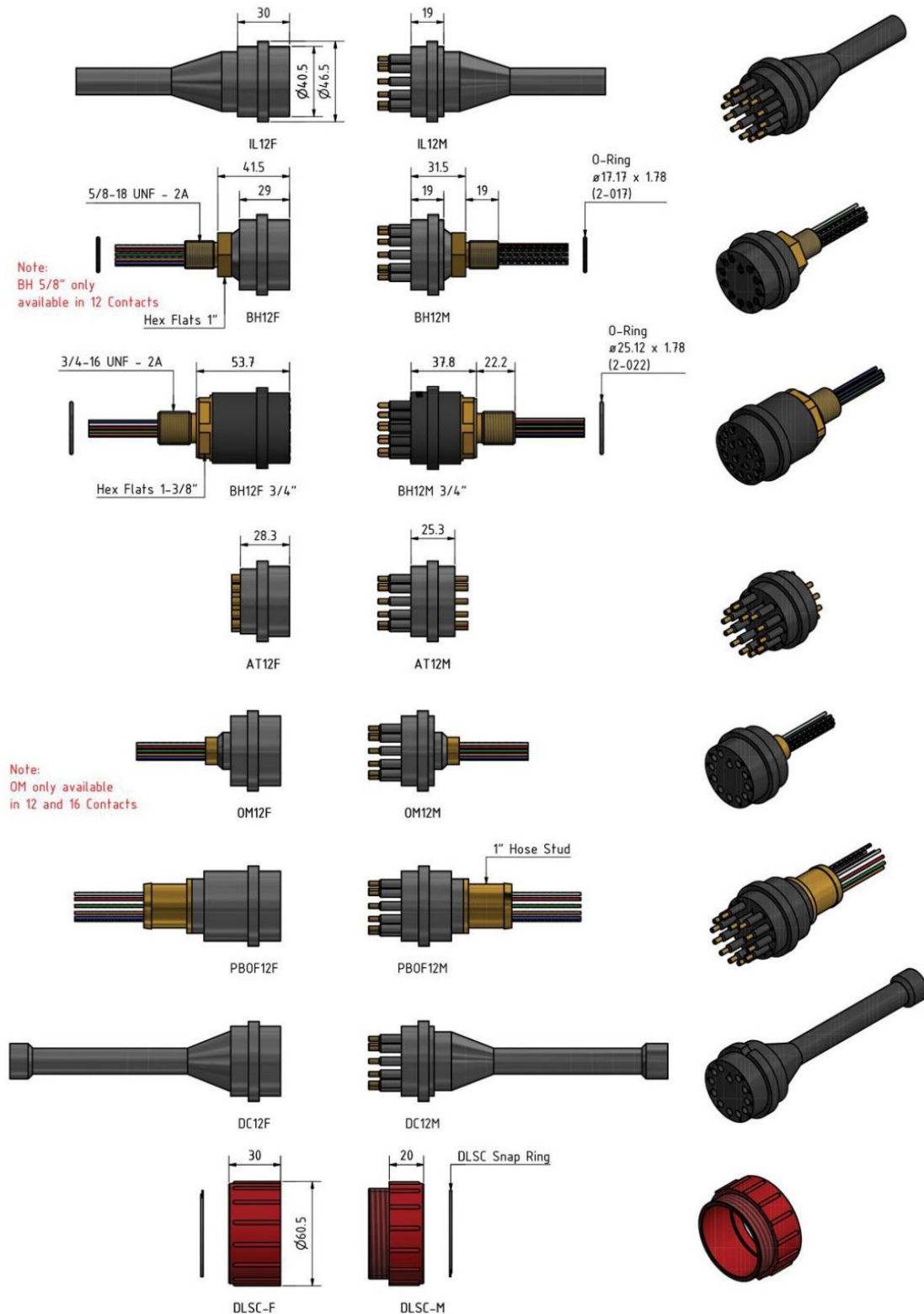
WM Standard round right Angle - 6,8,10 core contact arrangement



Pin face



WM Standard Round - 12,16,25 core dimensions



WM Standard round - 12,16,25 pin contact arrangement



Pin face

