

GENERAL INFORMATION

COMPONENT	MATERIAL
BULKHEAD BODY: STANDARD: OPTIONAL:	DGS 1043 or CA630 per QQ-C-465 316 Stainless Steel (no cost option), 6061-T6 Aluminum, Hard Anodized
CONNECTOR BODY: STANDARD: OPTIONAL:	Neoprene per B/A X5727 Hypalon per B/A X6830 or PEEK (Polyetheretherketone)
CONTACTS	Copper Alloy Gold Plated per ASTM B488
GUIDE PINS	304 Stainless Steel
O-RINGS	Nitrile (formerly known as Buna N)
IN-LINE CABLE	#18 AWG SO Cable as standard #14 or #16 AWG SO Cable available dependent on connector size
BULKHEAD PIGTAILS	Teflon® (Registered trademark for DuPont) type E hook-up wire, 18 inches

CATEGORY	VALUE
OPEN FACE PRESSURE BULKHEAD	Up to 1,000 psi (2,300 ft)
MATED PRESSURE BULKHEAD	Up to 10,000 psi (23,000 ft)
MATED PRESSURE IN-LINES	Up to 20,000 psi (46,000 ft)
VOLTAGE	600 VDC (with standard cable)
CURRENT	Up to 19 amps per contact
CONTACT RESISTANCE	<0.01 ohms
INSULATION RESISTANCE	>500 megohms after wet mating
MATING CYCLES	>500 wet matings

NOTES:

- Locking sleeves are not standard and must be ordered separately. Available in Delrin® (DuPont trademark for Acetal Resin).
- Bulkhead nut/washer is not standard and must be ordered separately. Available in Brass or 316 Stainless Steel.
- In-line cable and hook up wire is 18 inch standard length. Longer length to be specified when ordering.
- In-line cable is available in #14 or #16 AWG SO. Cable other than SO will be terminated and over-molded to a bulkhead connector.

AMPACITY CHART FOR STANDARD PARTS (18 AWG SO CABLE)

PART DESCRIPTION NUMBER OF CONTACTS	AMPACITY
IL-BH-2	7 amps
IL-BH-3	7 amps
IL-BH-4	5.6 amps
IL-BH-6	5.6 amps

PART DESCRIPTION NUMBER OF CONTACTS	AMPACITY
IL-BH-8	4.9 amps
IL-BH-10	3.5 amps
IL-BH-12	3.5 amps
IL-BH-16	3.5 amps

NOTE:

- Higher ampacities are available.

STANDARD IN-LINE WIRING COLOR CODE (SO CABLE)

CONTACT #	COLOR
1	BLACK
2	WHITE
3	RED *
4	GREEN
5	ORANGE
6	BLUE
7	WHITE/BLACK
8	RED/BLACK

CONTACT #	COLOR
9	GREEN/BLACK
10	ORANGE/BLACK
11	BLUE/BLACK
12	BLACK/WHITE
13	RED/WHITE
14	GREEN/WHITE
15	BLUE/WHITE
16	BLACK/RED

NOTE:

- * For 3 contact configurations wiring color code is GREEN.

CAUTION:

WET-CON connectors are intended to mate with WET-CON connectors only. Although the WET-CON and ALL-WET connectors look similar, the numbering pattern and color codes are not the same. We recommend, as general practice, to verify color code and pin location before installation.