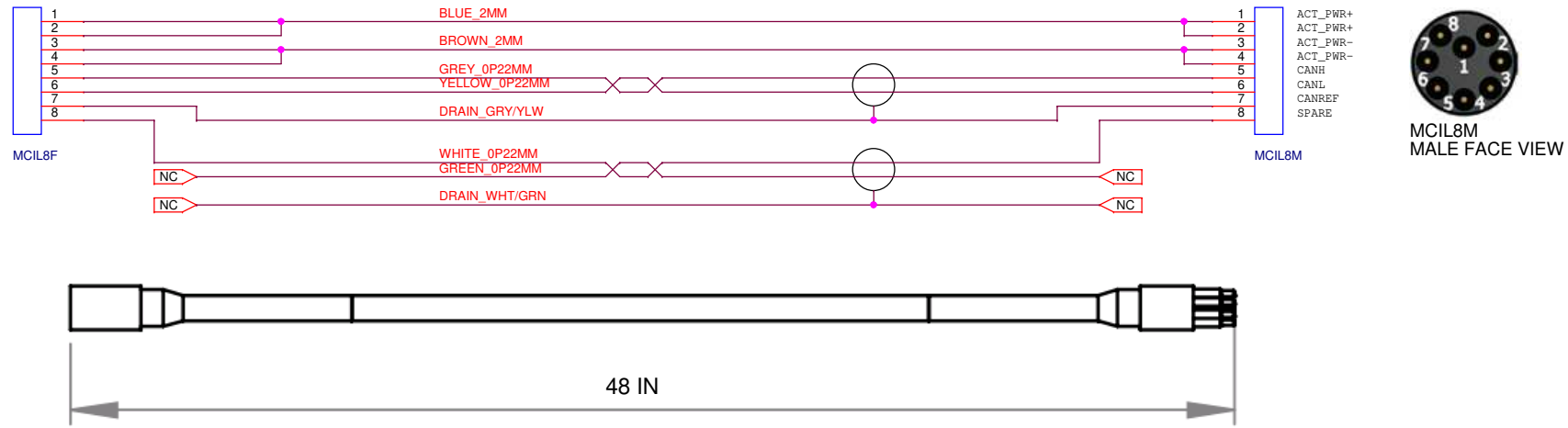
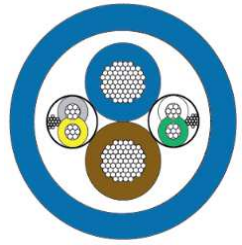


MACARTNEY TYPE 2009/B
POWER SIGNAL CABLE 48 IN
OVERMOLD OK



Power/signal cable - Type 2009/B



Construction characteristics

Power conductor: 2.00 mm² bare copper conductor insulated with PVC (2 each)
Shielded twisted pair: 0.22 mm² bare copper conductor insulated with PE. 2 conductors twisted together with a tinned copper drain wire and aluminium/polyester foil (2 each)
Inner jacket: PVC jacket
Outer jacket: Polyurethane jacket. Colour blue

Mechanical characteristics

Diameter: 9.00 mm ±0.30 mm
Weight in air: 125 kg/km nom
Weight in seawater: 60 kg/km nom
Min. bending radius, static: 100 mm
Min. bending radius, dynamic: 130 mm
Depth rating: 3,000 m

Electrical characteristics

Operating voltage: 600 V for 2.00 mm² conductor
24 V for 0.22 mm² conductor
Test voltage: 3,000 V DC for 1 min. for 2.00 mm² conductor (cond. - cond.)
1,500 V DC for 1 min. for 0.22 mm² conductor (cond. - cond.)
Conductor resistance: = 10.0 Ω/km for 2.00 mm² conductor
= 96.2 Ω/km for 0.22 mm² conductor
Insulation resistance: = 100 MΩ×km for 2.00 mm² conductor
= 5,000 MΩ×km for 0.22 mm² conductor
Capacitance: 70 pF/m for 0.22 mm² pair
Impedance: 58 ±5 Ω at 1-10 MHz
Attenuation: 10.0 dB/100 m at 1 MHz
25.0 dB/100 m at 10 MHz

		Monterey Bay Aquarium Research Institute 7700 Sandholdt Road, Moss Landing, CA 95039			
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Engineer EJM	Size B	Document Number 10021281	Part Number CBL5-INTF	Project File PowerBuoypj	Rev 1
Designer EJM	Date: Monday, July 23, 2018	Sheet 1 of 1			