

## Cable, Underwater AUV Comm&Pwr

### Part-Number FM122203-1CP Rev A

#### #14 Shielded Pair, 1:

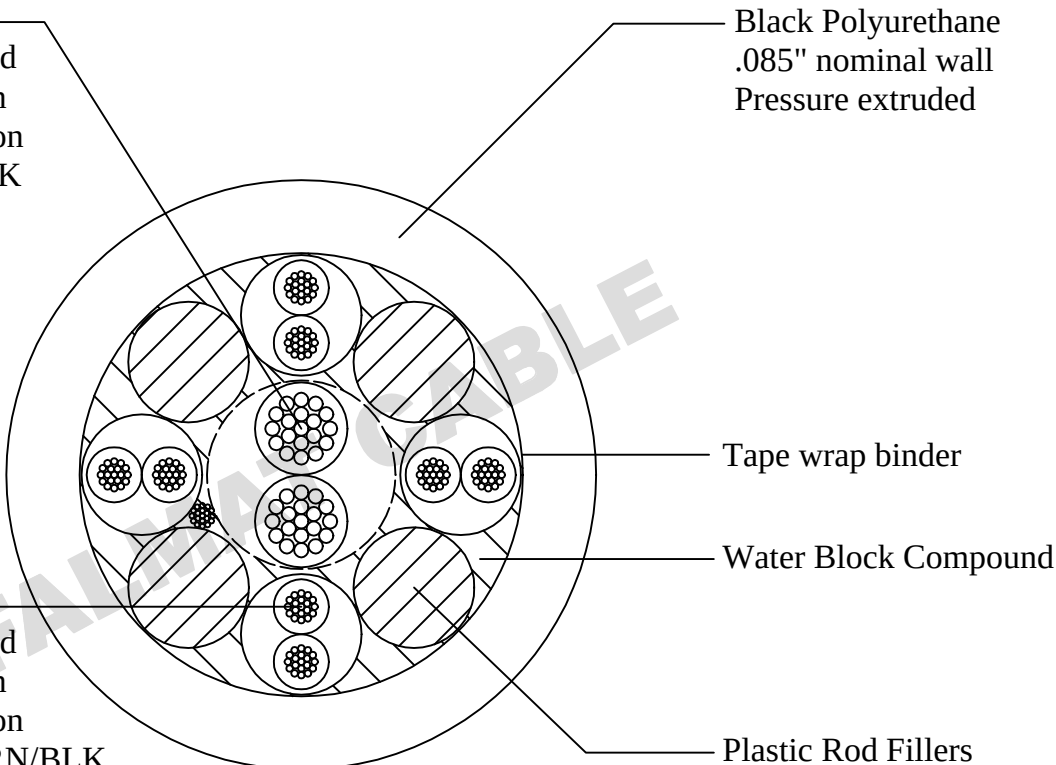
#14 AWG tin-copper, stranded  
with ETFE (Tefzel) insulation  
rated for 600V, 150C operation  
C/C: WHT/RED & WHT/BLK  
2 ea. twisted into 1 ea. pair  
Pressure extruded to round  
with Polyurethane over pair  
Braided tin-copper  
95% coverage plus  
1 #24 (19x.005) drain-wire

Black Polyurethane  
.085" nominal wall  
Pressure extruded

#### #22 Unshielded Pair, 4:

#22 AWG tin-copper, stranded  
with ETFE (Tefzel) insulation  
rated for 600V, 150C operation  
C/C: WHT/GRN & WHT/GRN/BLK  
WHT/BLU & WHT/BLU/BLK  
WHT/ORN & WHT/ORN/BLK  
WHT/BRN & WHT/BRN/BLK

2 ea. twisted into 4 ea. pairs  
Pressure extruded to round  
with Polyurethane on ea. pair



Nominal Overall Diameter = 0.600 inch  
Weight in Air = 187 lbs/1,000 feet nominal  
Weight in Sea = 61 lbs/1,000 feet nominal  
Bend Radius = 6 inch minimum  
#22 Pair Electrical Characteristics:  
18 pF/FT nominal Mutual Capacitance  
85 ohms nominal Characteristic Impedance

Designed for MBARI

January 22, 2004

NOT TO SCALE