

Cable, Ruggedized Deepwater Ethernet FM022208-11

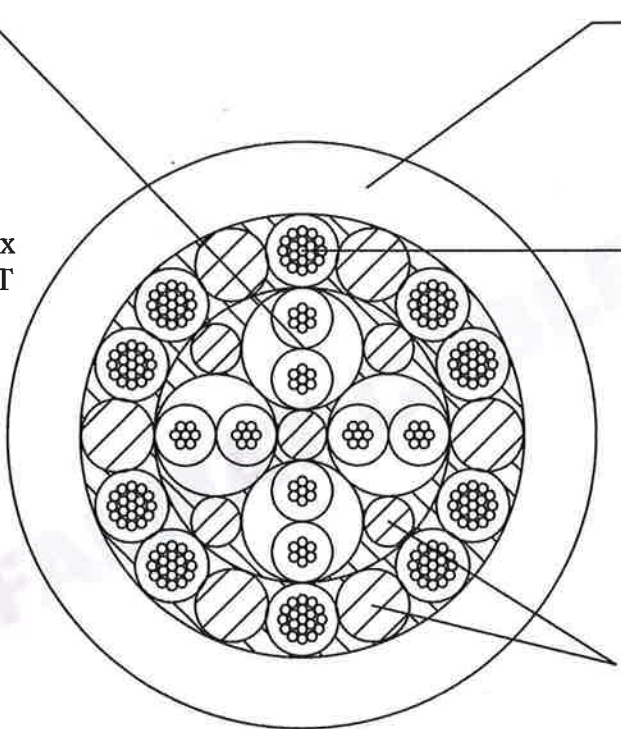
Twisted Pair, 4:

#23 AWG stranded
bare copper with soft,
DC Resistance @ 20 C:
 ≤ 21 ohms/1,000-FT
with polyolefin insulation
rated @ 600 volts 1 amp max
Capacitance = 13 to 17pF/FT
Impedance 100 +/- 15 ohms
Insulation resistance test:
>500Mohm/km@500VDC
Dielectric withstand test :
1 minute HiPot@1kVDC

Pair Color-Code:

White + White/Blue
White + White/Orange
White + White/Green
White + White/Brown

Note: Each pair has a
different twist-rate for
crosstalk performance
and each pair has a TPE
belt-to-round jacket for
performance at pressure



Neon Green Outer Jacket:
0.080" nominal wall
of pressure extruded
XtremeGrade polyurethane

Power Wires, 10:
#20 AWG stranded
tin-plated copper with
DC Resistance @ 20 C:
 ≤ 10 ohms/1,000-FT
with polyolefin insulation
rated @ 600 volts 2 amp max
Color-Code: BLK, WHT,
RED, GRN, BRN, BLU,
ORN, YEL, PUR, GRY

Rod Fills & Waterblock
in both inner and outer layer
+polyester tape-wrap overall

Overall Diameter = 0.610 +/- 0.015 inch
Weight in Air = 184 lbs/1,000 feet nominal
Weight in Sea = 54 lbs/1,000 feet nominal
Temperature rating = -15 to +90 C
Depth Rating = 10,000 psi (689.5 bar)
Bend Radius = 6 inch (150mm) minimum

Drawn by Cal Peters, Falmat

May 22, 2009

NOT TO SCALE