

TOW CABLE



DATALINE® - ROCHESTER STOCK TYPE 7-H-314A (18 x 18 High Strength Armor)

This cable is provided by the Chelsea Technologies Group terminated with a moulded Impulse LPMIL-8-FS for all towed vehicles. The deck end of the cable is fitted with either individual crimps for slip ring connection, or, terminated with a moulded Impulse LPMIL-8-MP when a non-dedicated winch is to be used, allowing direct connection to the Deck Cable. When purchased with a Winch the cable is generally supplied assembled to the winch.

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DESCRIPTION

CONDUCTORS (7)

#22 AWG, 7/10.010" (0.25mm) 0.76mm
Bare Copper

INSULATION

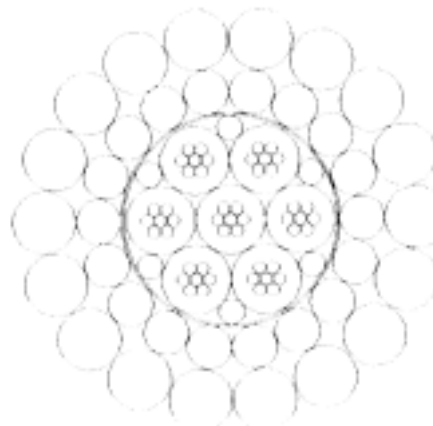
0.014" (0.36mm) Wall EPC 1.47mm

CORE

6 insulated cdrs around 1 with 4.39mm
fillers as necessary. Voids filled
with free-stripping semi-
conductive material. Semi-
conductive tape over core.

ARMOR

Special GEIPS Wire
Inner: 18/0.0325" (0.83 mm) 6.05mm
Outer: 18/0.44" (1.12mm) 8.28mm



CABLE CHARACTERISTICS (Nominal Values @ 20°C)

PHYSICAL

Overall Dimensions	8.28mm
Weight In Air	272 kg / km
Weight In Fresh Water	228 kg / km
Temperature Rating, normal	135 °C
intermittent	149 °C

MECHANICAL

Breaking Strength	48.9 Kn
Bend Diameter	43 cm
Elongation (approx)	0.43 m / km / kN

ELECTRICAL

Voltage Rating	600 Vdc
Insulation Resistance @ 500 Vdc	15,000 MΩ km
dc Resistance	54.5. Ω/km
Armor	8.2 Ω/km
Capacitance (cdr – armor)	190 pF/m
Velocity of Propagation @ 1 MHz	67 %