

# SUPA 75<sup>®</sup> Hi Strength Wireline

www.foxwire.co.uk

Chemical Composition										
Element	C	Si	Mn	P	S	Cr	Mo	Cu	Ni	N
Weight %	0.02 Max	0.5 Max	2.0 Max	0.03 Max	0.005 Max	19.0 - 21.0	6.0 - 7.0	0.7 - 1.50	24.0 - 26.0	0.12 - 0.20

Wireline Diameter	Inches	0.125
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Mechanical Properties		
Wireline Diameter	Millimetres	3.18
	Inches	0.125
Minimum Breaking Load	lbf	2830
Typical Breaking Load	lbf	2980
Minimum UTS	N/mm <sup>2</sup>	1590
Typical UTS	N/mm <sup>2</sup>	1675
Yield Strength	(0.2% P.S.)	80 - 90% UTS
Elastic Limit		22-28% UTS
Modulus of Elasticity	N/mm <sup>2</sup>	16 X 10 <sup>4</sup>
Recommended Safe Load		75% EBL
Sheave Diameter	Inches	15
Minimum Wraps		

Physical Properties		
Wireline Diameter	Millimetres	3.18
	Inches	0.125
Density	g/cm <sup>3</sup>	8.1
Coefficient of Liner Expansion	Mm/m/°C	0.15
Wireline Weight	lb/1000ft	23.29
Minimum Wireline Stretch	Inch/100ft/100lb	0.43
Thermal Conductivity	W/m.K	12
Specific Heat	j/kg.K	415
Resistivity	μOhm Cm	96
Magnetic Permeability		1.01

Corrosion Resistance	
H <sub>2</sub> S + CO <sub>2</sub>	Excellent in all concentrations
Chloride (Brine, salt etc.)	Excellent
H <sub>2</sub> S + CO <sub>2</sub> + Chloride	Very Good

\*EBL (Effective Breaking Load) = Actual Certified Breaking Load minus the weight of tools and minus the weight of wire off the drum.

Enhanced properties obtained by a combination of careful material selection and advanced manufacturing processes providing users with a higher load capability

100% Non-destructive Tested

100% Weld Free

Every Wireline is individually numbered providing full traceability

Individually crated to protect during shipment.

Fox Wire Limited. Sheephouse Wood, Stocksbridge, Sheffield S36 4GS  
Tel: +44 (0) 114 288 4207 Fax: +44 (0) 114 288 4874

