

TECHNICAL DATA SHEET: WIRELINES / SLICKLINES

Grade: **XM-19 (UNS S20910) Stainless Steel**

Lengths: 15,000 to 30,000 feet measured lengths (+3,000, / -0 feet tolerance).

Diameters: Industry Standard - 0.092", 0.108", 0.125", 0.160". Custom upon request.

Packaging: Heavy Duty Steel Reels (returnable). Wood Reels are available upon request.

Reel dimensions:	S30/700	S30/1500
Tare Weight	34 lbs.	128 lbs.
Max. Wire Weight	Up to 700 lbs.	Up to 1,500 lbs.
Flange Diameter	30"	30"
Overall Width	13 ½"	17 ¾"
Transverse Width	12"	16"
Arbor Hole Diameter	2"	2"

Chemistry:

Key elements % Weight:

C	Mn	Cr	Ni	Mo	N
0.06 max	4 - 6	20.5 - 23.5	11.5 - 13.5	1.5 - 3.0	0.2 - 0.4

Density: 0.285 lb/inch³

Corrosion Resistance: XM-19 offers good corrosion protection in wells containing corrosive media, and has a PREN of 38. The following table is a general guideline for well conditions that contain specific corrosive elements commonly found downhole. Note – additional well conditions such as temperature and pressure may also play a significant role in the wireline's corrosive resistance.

General Guidelines for Well Conditions containing Corrosive Elements:

H ₂ S + CO ₂	Chloride, Brine, Salt etc.	Chloride, H ₂ S + CO ₂
Very good in concentrations of CO ₂ of up to 35% with no H ₂ S present.	Excellent. May be used in concentrations of up to 30%.	Very good in high chloride + CO ₂ concentrations with no H ₂ S present.

Break Load:

Diameter	Minimum Break Load (MBL)	Safe Working Load (60% MBL)
0.092"	1,600 lbf	960 lbf
0.108"	2,100 lbf	1,260 lbf
0.125"	2,850 lbf	1,710 lbf
0.160"	4,500 lbf	2,700 lbf

Surface: Eddy Current Tested for surface damage to industry norms at final diameter

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