



E-Slickline Specifications

E-Slickline 0.160"

Eclipse E-Slickline was developed to simplify wireline rig-up and deliver slickline efficiency with e-line capability while keeping strength and flexibility in mind.

E-Slickline is proven to be compatible with all major e-line telemetry systems and has similar properties as a 0.125" slickline.

Standard material used for the E-Slickline is 316L, but custom materials & lengths can be discussed. E-Slickline can be manufactured to custom lengths.

APPLICATIONS:

- Setting Packers and Bridgeplugs
- Pipe Recovery (Punch & Cut)
- Production Logging
- Downhole Video
- Well Integrity Logging
- Cement Bond Logging

Description	E-Slickline	Benefit
Line Construction	Stainless Conductor Line	Tougher than coating and will not peel or get brittle
Tool Power	Standard E-line power	Power is sent directly through the line instead of relying on battery power and special telemetry systems
Tool Communication	Any E-line system	Any telemetry system which works on standard e-line will work with e-Slickline
Tool Signal	Analog & Digital Thru Line	Unlike other systems there's no need for good tubing contact to finish the communications
Diameter	0.160" (4mm) WT 0.03" (0.76mm)	
Length	As needed	The e-Slickline can be made to any desired length
Max. Working Pressure	33,000psi	
Max. Working Temp.	300°C / 572°F	Continues 204°C/400°F with options for 315°C/600°F
Max. Power	600V	Safe operating of 600V. Line has been tested to 1,000V.
Max. Current	4A	Can be used with slimhole tractors
Running Speed	400ft/min	
Working Load	1,300lbs	
Unit Compatibility	Can be made compatible with any unit	Specific drum measurements are required. These can be made to fit by any wireline unit manufacturer

Description	E-Slickline	Benefit
Metal Jacket Material	Stainless steel 316L	Incoloy is also available. Any other materials can be discussed
Surface finish	Hardness: 34.8 HRC Gas/tungsten Arc welded QA/QC throughout	Allows the insulation to stay intact in high temperatures
Insulation	Tefezel Red	Allows the insulation to stay intact in high temperatures
Conductor Core	Tinned Copper (19 strands) 18 AWG size 1.168mm/0.046” Dia.	The conductor core behaves as any mono conductor e-line.
Electrical Specifications		
Conductor DC Resistance	6.5 Ω/1,000ft	
Armor DC Resistance	22.5 Ω/1,000ft	
Capacitance	0.046 μF/1,000ft	
Inductence	146 μH/1,000ft	
Test Rating	1,000V	
Operating Power	600VDC	
Mechanical Specifications		
Weight (Bare)	0.051 lbs/ft.	
Breaking Tension	2,200 lbs	
Safe Workload	1,300 lbs	
Crush Rating	33,450 lbf/in.	