

### Downhole Tubewire

#### Application

DataCan's Wire (Tubing Encapsulated Cable) is used to lower tools into the wellbore and transmit data to surface. The TEC wire provides an electrical connection between the toolstring and the wellhead. The TEC wire comes in 1/4" and 1/8" OD and has a number of options for insulation, armor and encapsulation.

Encapsulation		
Wire Size	Encapsulation Size	Material
1/8" OD	0.25" Round	Polypropylene - Standard
		Santoprene
		Rislan - Diesel Protection
1/4" OD	11mm x 11mm	Polypropylene - Standard
		Santoprene
		Rislan - Diesel Protection
	0.375" Round	Polypropylene - Standard
		Santoprene
		Rislan - Diesel Protection

Armor			
Wire Size	Type	Wall Thickness	Pressure
1/8" OD	316SS	0.024" Triple Tube	20,000 psi
	Inconel 825		
1/4" OD	316SS	0.028"	17,500 psi
		0.035"	25,000 psi
		0.049"	32,500 psi
	Inconel 825	0.028"	20,000 psi
		0.035"	27,500 psi
		0.049"	35,000 psi

Insulation		
Wire Size	Type	Maximum Temperature
1/8" OD	Teflon	200°C
	Halar E	100°C
1/4" OD	Halar P	150°C
	Teflon	200°C



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Conductor	
Wire Size	Gauge
1/8" OD	22 AWG
	18 AWG
	16 AWG
1/4" OD	18 AWG
	16 AWG