

Wire

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 |
| 1/4" OD | Halar E | 100°C |
| | Halar P | 150°C |
| | Teflon | 200°C |



Wire

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