

ICE ROAD TEMPERATURE CABLE

FULLY CUSTOM
TEMPERATURE READINGS



SCAN FOR MORE



Increase the speed and ease of obtaining temperature for your environmental or infrastructure operations with the Digital Temperature Cable from beadedstream.

ICE ROAD TEMPERATURE CABLE



SPECIFICATIONS

Standard Configuration

- 30cm (12 in) instrumented length with 4 sensors at 10cm (4 in) spacing
- 90 degree mold at transition between instrumented and lead cable lengths
- Lead length is user specified

Custom Configurations

- Customized sensor placements and instrumented cable lengths for deeper subsurface monitoring
- Standard minimum spacing 10 cm (4 in)
- Closer spacing available (please inquire)

Sensor Range

- -55°C to $+125^{\circ}\text{C}$ (-67°F to $+257^{\circ}\text{F}$)

Sensor Accuracy

- $\pm 0.1^{\circ}\text{C}$ from -10°C to 30°C (14°F to 86°F)

Sensor Resolution

- $\pm 0.063^{\circ}\text{C}$

Outer Jacket & Node Construction

- Low-temperature flexibility polyurethane jacket
- Optional armored feature for proven resistance to wildlife
- UV stabilized. Cut and abrasion resistant
- IP68

Colors

- High-vis yellow (standard) or gray (armored)

DTC Diameter

- Sensor cable = 7.0 mm (0.28-inch)
- Sensor nodes = 11.0 mm (0.44-inch)

Tensile Load Member

- 250 lb tensile strength with straight-laid aramid fibers built-in

Termination Options

- 4-pin Raymo Connector
- 3-4 bare leads for terminal blocks (e.g. 3rd party data loggers)