

## Cables

### Description

RST Instruments Ltd. offers a variety of cables that can be effectively matched to any instrument that requires a signal cable. RST uses Meter Marked Cable for a majority of our instruments that require a signal cable such as those used in Vibrating Wire Piezometers, Load/Pressure Cells, Crack Meters, Joint Meters, etc. In the unfortunate event of the cable being accidentally severed, the meter cable markings can be cross-referenced with the calibration record.

### CABLE SPECIFICATIONS

MODEL	DESCRIPTION	USED FOR:	CONDUCTORS	DIAM. O.D.
EL380002	Abrasion-resistant polyurethane jacket.	Single Point Thermistors · Vibrating Wire Piezometers and most other VW instruments	2 (1 twisted pair), 24 AWG (0.20 mm <sup>2</sup> )	5.33 mm (0.210 in.)
EL380004	Standard vibrating wire cable, abrasion-resistant polyurethane jacket.	Strain Gauge Load Cells · MEMS In-place Inclinometers · MEMS Tilt Meters & Beams Direct burial of surface cable for: · Vibrating Wire Piezometers and most other VW instruments · MEMS In-place Inclinometers · MEMS Tilt Meters & Beams	4 (2 twisted pairs), 22 AWG (0.33 mm <sup>2</sup> )	6.35 mm (0.250 in.)
EL380004HDL	Heavy Duty Cable with a thick polyurethane jacket mold for added protection.	Piezometers and most other VW instruments · MEMS In-place Inclinometers · MEMS Tilt Meters & Beams	4 (2 twisted pairs), 22 AWG (0.33 mm <sup>2</sup> )	9.52 mm (0.375 in.)
EL380004K	Kevlar® reinforced, non-stretch polyurethane jacketed cable for rigorous installations where the stretching of the cable is a concern.	VW Piezometers	4 (2 twisted pairs), 22 AWG (0.33 mm <sup>2</sup> )	6.35 mm (0.250 in.)

EL370004	Thin polyurethane jacket mold.	· VW Rebar Strain Meters · VW Embedment Strain Gauges · VW Arc Weldable Strain Gauges	4 (2 twisted pairs), 24 AWG (0.20 mm <sup>2</sup> )	4.76 mm (0.1875 in.)
EL342202	HDPE jacket.	· Used in acidic applications (leachate) and land fills · Saltwater	4 (2 twisted pairs), 22 AWG (0.33 mm <sup>2</sup> )	6.35 mm (0.250 in.)
EL35VT04	Vented polyurethane cable for barometric compensation; Kevlar® reinforced.	Low-Pressure Vented Transducers	4 (2 twisted pairs), 22 AWG (0.33 mm <sup>2</sup> )	7.92 mm (0.312 in.) (jacket) 3.17 mm (0.125 in.) OD (vent tube)
EL380006	Water blocked, polyurethane jacket. Grease blocked.	· In-Place Tiltmeters (analog biaxial) · Strain Gauge Analog Piezometer with Thermistor · Push-In Pressure Cells · Thermistor Strings · MPBX Heads · VW Load Cells · Remote multiplexer connection cable to logger · Thermistor Strings	6 (3 twisted pairs), 22 AWG (0.33 mm <sup>2</sup> )	6.35 mm (0.250 in.)
EL360008	Polyurethane jacket.	· Thermistor Strings and VW Piezometer Strings · VW Load Cells · MPBX Heads	8 (4 twisted pairs), 20 AWG (0.52 mm <sup>2</sup> )	8.13 mm (0.320 in.)
EL380012	Kevlar® reinforced, polyurethane jacket. Grease blocked.	· Thermistor Strings and VW Piezometer Strings · VW Load Cells · MPBX Heads	12 (6 twisted pairs), 24 AWG (0.20 mm <sup>2</sup> )	10.54 mm (0.415 in.)
EL380007P	Polyurethane jacket.	· Thermistor Strings and VW Piezometer Strings · VW Load Cells · MPBX Heads	14 conductors (7 pairs), 22 AWG (0.33 mm <sup>2</sup> )	9.84 mm (0.3875 in.)
EL380013P	Kevlar® reinforced, polyurethane jacket. Grease blocked.	· Thermistor Strings and VW Piezometer Strings · VW Load Cells · MPBX Heads	26 (13 twisted pairs), 24 AWG (0.20 mm <sup>2</sup> )	10.88 mm (0.425 in.)

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