OSRPI 120V Preassembled Self-Regulating Heating Cable for Pipe Tracing for Freeze Protection and Roof and Gutter De-icing

Features

Nominal voltage
• 120V.

Cold lead length
• 36" (0.9 m).

Outer jacket
• Thermoplastic.

Bus wire
• Nickel plated copper.

Maximum operating temperature (power on)
• 60 °C (140 °F).

Maximum operating temperature (power off)
• 80 °C (176 °F).

Cable section
• 14.1 mm X 5.6 mm.

Bending radius, minimum
• 25 mm (1 in.).

Minimum installation and start-up temperature
• -25 °C (-13 °F).

Standards
• CSA C22.2.130.03; -WS.
• CAN/CSA 60079-7:12, 60079-0-11.
• ANSI/IEEE 515, 515.

Certification
• CSA C US 2547790

Rating
• Wet rated, for outdoor use (WS).

Warranty
• 1-year basic warranty on the heating cable.
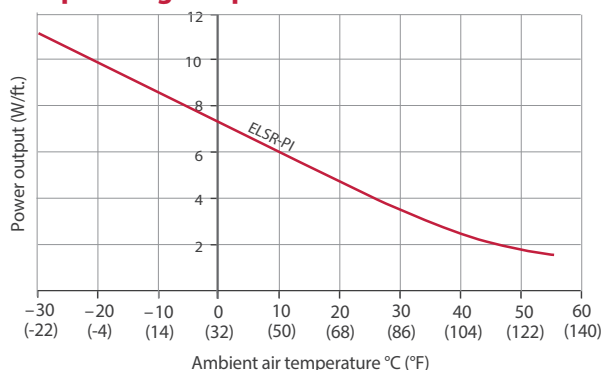• 10-year limited warranty available.

Application
• Freeze protection, roof and gutter, pipes, vessel and tanks, sprinkler systems.

Models

Product #	Length		Nominal power output in air condition at 5 °C (40 °F)[1]
	ft.	m	
ECK-7AO-006	6	1.8	42
ECK-7AO-012	12	3.6	84
ECK-7AO-018	18	5.5	126
ECK-7AO-025	25	7.6	175
ECK-7AO-050	50	15.2	350
ECK-7AO-075	75	22.9	525
ECK-7AO-100	100	30.5	700

[1] Because of the cable's self-regulating properties, the power density can reach up to 11 Watts per foot when buried in snow or ice: "wet density". In this situation, use of a 15 Amp. circuit breaker is valid for all models.

Linear power output in air condition according to operating temperature

ELSR-PI

Power output (W/ft.)

Ambient air temperature °C (°F)

OSR

Options

Product # Kit	Description
OSRNA Series	
ECA-JB1-NA	Junction box with power connection and termination for single connection c/w label and fastener
ECA-JB2-NA	Junction box with power connection and termination for double connectionc/w label and fastener
EL-ECN-EX[1]	End termination for ELSR-NA
EL-SPN-16	Heat shrink splice-kit suitable for ELSR-NA and cold lead connections
ELVB-SRAN	Power connection without cable gland
ELVB-SRAN-34-ST	Power connection with steel/zinc cable gland/fitting, 3/4'' NPT, non-hazardous location
ELVB-SREX-34-HT[1]	Power connection with nickel plated cable gland, 3/4" NPT, hazardous location
ELVB-SREX-M20-HT[1]	Power connection with nickel plated cable gland, M20, hazardous location
KIT-OSR-ELSR-KIT-NA	End and power termination kit with warning sticker NA Series
OSRMA Series (AO and BO outer jacket)	
EL-ECM[1]	End termination for ELSR-MA
ELVB-SRAM	Power connection without cable gland
ELVB-SRAM-34-ST	Power connection with steel/zinc cable gland/fitting, 3/4'' NPT, non-hazardous location
KIT-OSR-ELSR-KIT-MA	End and power termination kit with warning sticker MA Series
OSRMA Series (BF outer jacket)	
ECA-MABF-PH-FIT	Brass gland cable fitting 3/4" NPT non-hazardous location for MA-BF cable
EL-ECMF[2]	End termination for ELSR-MA-BF
ELVB-SRAM-34-ST	Power connection with steel/zinc cable gland/fitting, 3/4'' NPT, non-hazardous location
KIT-OSR-ELSR-KIT-MA-BF	End and power termination kit with warning sticker BF Series
KIT-OSR-MABF-PH-1-CTSOD[3]	Quick connect plumbing kit for 1" OD polyethylene CTS pipes for MA-BF cable
KIT-OSR-MABF-PH-114-CTSOD[3]	Quick connect plumbing kit for 1 1/4" OD polyethylene CTS pipes for MA-BF cable
KIT-OSR-MABF-PH-112-CTSOD[3]	Quick connect plumbing kit for 1 1/2" OD polyethylene CTS pipes for MA-BF cable
KIT-OSR-MABF-PH-34-ID[3]	Quick connect plumbing kit for 3/4" ID polyethylene pipes for MA-BF cable
KIT-OSR-MABF-PH-1-ID[3]	Quick connect plumbing kit for 1" ID polyethylene pipes for MA-BF cable
KIT-OSR-MABF-PH-114-ID[3]	Quick connect plumbing kit for 1 1/4" ID polyethylene pipes for MA-BF cable
KIT-OSR-MABF-PH-112-ID[3]	Quick connect plumbing kit for 1 1/2" ID polyethylene pipes for MA-BF cable
OSRWA Series	
EL-ECW[1]	End termination for ELSR-WA
ELVB-SRAW	Power connection without cable gland
ELVB-SRAW-34-ST	Power connection with steel/zinc cable gland, 3/4'' NPT, non-hazardous location
KIT-OSR-ELSR-KIT-WA	End and power termination kit with warning sticker WA Series
OSRHA Series	
ECA-JB1-HA	Junction box with power connection and termination for single connection c/w label and fastener
ECA-JB2-HA	Junction box with power connection and termination for double connection c/w label and fastener
EL-ECH-EX[1]	End termination for ELSR-HA
ELVB-SRAH	Power connection without cable gland
ELVB-SRAH-34-ST	Power connection with steel/zinc cable gland/fitting, 3/4'' NPT, non-hazardous location
ELVB-SREX-34-HT[1]	Power connection with nickel plated cable gland, 3/4'' NPT, hazardous location
ELVB-SREX-M20-HT[1]	Power connection with nickel plated cable gland, M20, hazardous location
KIT-OSR-ELSR-KIT-HA	End and power termination kit with warning sticker HA Series
All OSR Series	
Multiple applications	
ECA-TYS6-280	Stainless steel fastener 1/4" x 6'' (6.8 mm x 152.4 mm)
ECA-TYS9-280	Stainless steel fastener 1/4" x 9'' (6.8 mm x 228.6 mm)
ECA-TYS12-280	Stainless steel fastener 1/4" x 12'' (6.8 mm x 304.8 mm)
ECA-TYS18-280	Stainless steel fastener 1/4" x 18'' (6.8 mm x 457.2 mm)
ECA-TYS24-280	Stainless steel fastener 1/4" x 24'' (6.8 mm x 609.6 mm)
KIT-OSR-EL-WS03	Warning label/sign bilingual (English / French)
Roof and gutter	
ELB-18	Gutter and downspout mounting plate
ELB-20	Downspout mounting plate
ELB-21	Gutter mounting plate
ELB-RCLIP	Roof clips for cable, qty 25
Pipe tracing	
ELB-03	Self-adhesive glass fiber tape, max. temp. = 90 °C (194 °F), 50 m (165 ft.)
ELB-06C	Self-adhesive aluminum tape, max. temp. = 80 °C (176 °F), 50 m (165 ft.)

EL-EC(x)

ELVB-SRA(x)

ELVB-SRA(x)-34-ST

KIT-OSR-ELSR-KIT-(xx)

KIT-OSR-MABF-PH-(xx)-CTSOD

KIT-OSR-MABF-PH-(xx)-ID

ECA-JB1

[1] Minimum installation temperature -45 °C (-49 °F).
[2] Minimum installation temperature -13 °C (-25 °F).
[3] Identifying the type of pipe is key to ensuring a simple and effective connection, Ouellet Canada is not responsable for incorrect pipe selection. No returns will be accepted.

Controls

Product #	Description
Controller options for roof and gutter for de-icing	
DS-2C[1]	Aerial mounted controller with sensor to detect humidity and temperature, 30A, 100V to 277V
DS-8C[1]	Aerial mounted controller with sensor to detect temperature and a sensor to detect humidity with 10 ft. (3 m) cable, 30A, 100V to 277V
DS-9C[1]	Aerial mounted controller with sensor to detect temperature and a sensor to detect humidity with 10 ft. (3 m) cable, 2 X 30A, 100V to 277V
EX-50	50 ft. (15 m) extension kit, with connection fittings for humidity sensor
CDP-2	Interior controller and display for DS products
ETO2[1]	Dual-zone electronic controller, 3 X 16A, 120V to 240V
ETF-744-99	24V outdoor sensor for measuring temperature
ETOR-55	Gutter sensor to detect humidity with 33 ft. (10 m) cable
Controller options for pipe tracing for use in non-hazardous (ordinary) locations	
ECA-E55-R25HT[1]	SPDT, NEMA 4X thermostat in molded aluminum housing, 22A at 120/250/480V, with 10 ft. (3 m) stainless steel bulb and capillary
TPR-L1N-3X-Q10[1]	SPDT, NEMA 4X thermostat in polycarbonate housing, 22A at 120/250/480V, with 3 ft. (1 m) tinned copper bulb and capillary
TPR-L1N-10X-Q10[1]	SPDT, NEMA 4X thermostat in polycarbonate housing, 22A at 120/250/480V, with 10 ft. (3 m) tinned copper bulb and capillary
TRF115-005[1]	SPDT, NEMA 4X thermostat, range -17 °C to 49 °C (0 °F to 120 °F), 25A at 120/208/240/277V, with 5 ft. (1.5 m) stainless bulb and capillary
TRF115-007[1]	SPDT, NEMA 4X thermostat, range -35 °C to 38 °C (-30 °F to 100 °F), 25A at 120/208/240/277V, with 8 ft. (2.4 m) copper bulb and capillary
ELTC-14-RTD[1]	Digital temperature control 20A at 90-260V, including 3-wire RTD (Pt-100) sensing element is 5 x 50 mm with 5 m of fluoropolymer lead wires, range 0 to 250°C
Controller options for pipe tracing for use in non-hazardous (ordinary) and hazardous locations	
TXR-L2S-10-Q10[1]	SPDT, explosion-proof, NEMA 4, 7 and 9 thermostat, in anodized aluminum housing, 22A at 120/250/480V, with 10 ft. (3 m) stainless steel bulb and capillary
TM-1SIH1-E5-RTD-A1	TraceMate™ I GFCI electronic thermostat for single circuit at 120V
TM-1DIH2-E5-RTD-A1	TraceMate™ I GFCI electronic thermostat for single circuit at 240/208V
TM-2SIH1-E5-RTD	TraceMate™ II GFCI electronic thermostat for dual circuit at 120V
TM-2DIH2-E5-RTD	TraceMate™ II GFCI electronic thermostat for dual circuit at 240/208V
MS-2101	MasterTrace Single circuit electronic GFCI controller with double pole, 120V to 277V, 30A, with user interface
MS-2102	MasterTrace Double circuit electronic GFCI controller with single pole, 120V only, 30A, with user interface
Control panel options	
OSR-4-240	240V GFCI control panel with 2 x 4-pole contactors and transformer 240-120V
OSR-6-240	240V GFCI control panel with 3 x 4-pole contactors and transformer 240-120V
OSR-8-240	240V GFCI control panel with 4 x 4-pole contactors and transformer 240-120V
OSR-12-240	240V GFCI control panel with 6 x 4-pole contactors and transformer 240-120V

[1] Requires a ground fault circuit interrupter (GFCI) in the electrical panel.

DS-2C   DS-8C   DS-9C   EX-50   CDP-2

ETO2   ETF-744-99   ETOR-55   ECA-E55-R25HT   TPR-L1N-3X-Q10

TRF115-005   TRF115-007   ELTC-14-RTD   TXR-L2S-10-Q10   TraceMate™   MasterTrace