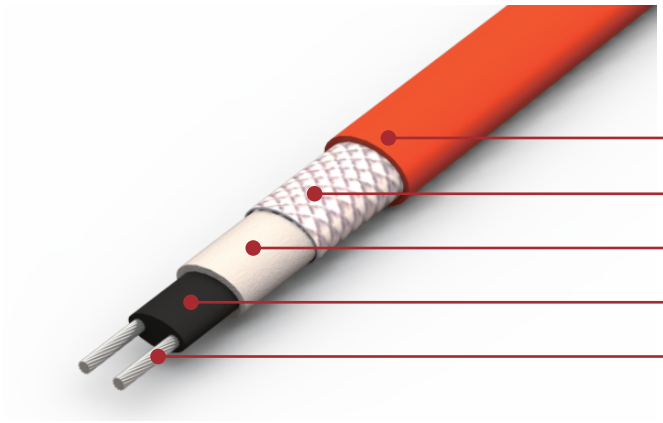
ETR

Self Regulating Heating Cable for Residential Pipe Freeze Protection

Description

The ice dams form because melting snow runs from the roof into cold gutters and drain pipes. The ice forms a barrier and melted water accumulates behind this ice dam. Pooled water behind the dam may ingress into buildings, causing water damage, or climbing over the ice-filled gutter, forming dangerous icicles.



Cable Construction

- **Outer Jacket**
- **Tinned copper braid**
- **Radiation cross-linked polyolefin insulation**
- **Semi-conductive self-limiting matrix**
- **Bus wire**

Ordering Information

□□ ETR - □□ - □

Output (10,16,26) W/m at 10°C

Outer Jacket (CR: Modified Polyolefin; CT: Fluoro-polymer; CP: Thermoplastic (UV)

Bus Wire(S:0.5mm²)

Application

Thanks to its small diameter, ETR is particularly suited for installing on small pipes. ETR can be cut to length in the field, and with self-regulating characteristics, can operate at the lowest power consumption.

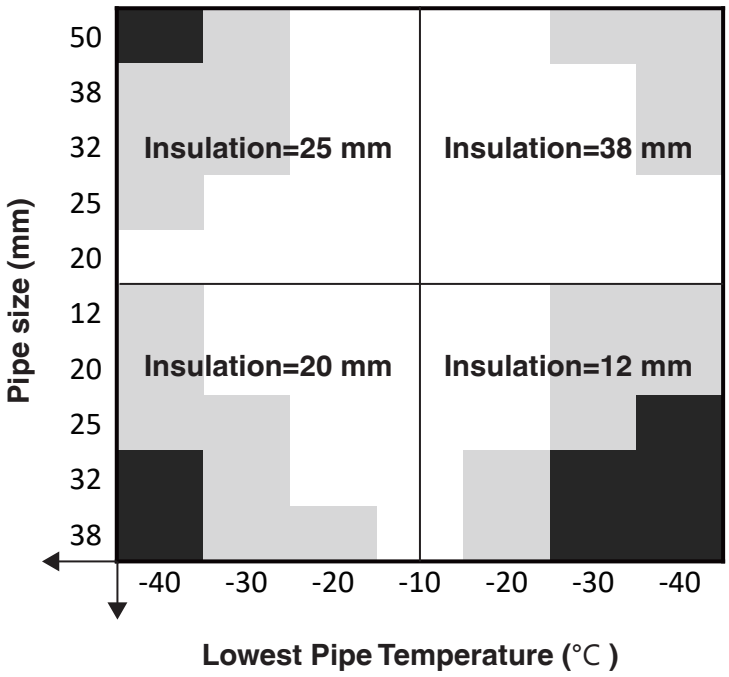
Characteristics

Bus Wires	0.5mm² or 0.6 mm² tin-plated copper wires
Metallic braid	Tinned copper
Outer Jacket	-CR: Modified polyolefin -CP: Thermoplastic Elastomer(UV) -CT: Fluoro-polymer
Supply Voltage	220 ~ 240V
Circuit Protection	30mA ground-fault protection required

Temperature Rating	
Maximum Exposure Temperature	85°C
Minimum Installation Temperature	-20°C
Minimum Bend Radius 15 mm (at -20°C)	

Weights and Dimensions		
Type	**Dimensions**	**Weight**
ETR-CR/CP	7.7 x 5.2 mm	7.0 kg/100 m
ETR-CT	7.4 x 4.9 mm	

Selection Table

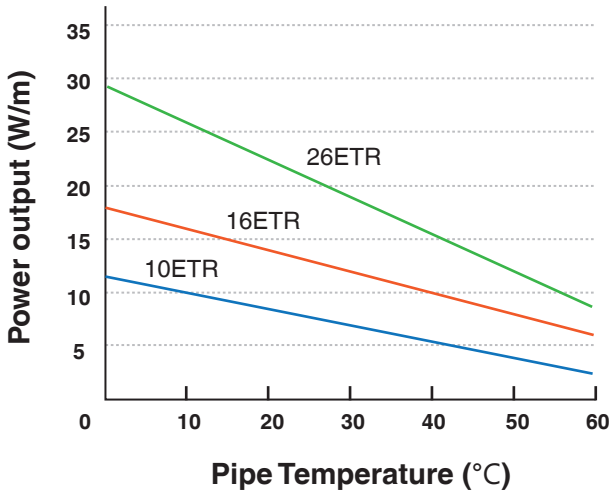


This table helps you in determining how many straight runs of cable you will need to protect your pipe.

One run is equal to the length of the pipe.

- One run of 10ETR
- One run of 16ETR
- One run of 26ETR

230Vac Service Voltage		Maximum circuit length (m) per circuit breaker			
Catalog No.	Start-up Temp.	15A	20A	30A	40A
10ETR2	10 °C	41	55	82	109
	0 °C	35	46	69	92
	-20 °C	28	38	56	75
16ETR2	10 °C	38	50	75	100
	0 °C	31	41	62	83
	-20 °C	25	33	50	67
26ETR2	10 °C	33	48	68	88
	0 °C	26	32	43	72
	-20 °C	20	26	41	58



Accessories

E-POLY supplies a complete range of accessories including power connection (EZK-RPC) / termination (EZK-PT) /splice kits (EZK-S) and end seals (EZK-ES). These items are recommended for the correct operation of RGS products.

Further Information

Please consult the appropriate termination instructions and the E-POLY Installation, Testing and Maintenance Manual for further details.