

PIPETRACE TECHNICAL DATA SHEET

Constant wattage parallel heating cables with braided metal sheath for protection.



APPLICATION

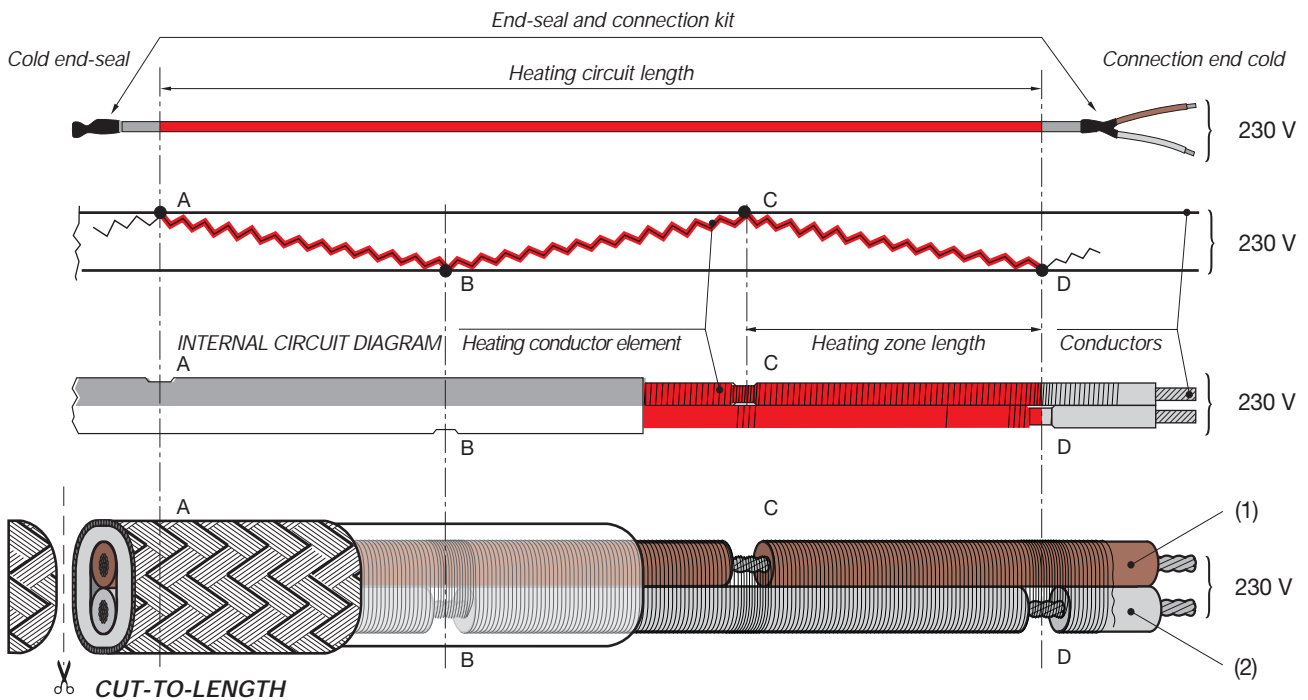
Usual applications are to maintain temperature in pipes, tanks, etc. for freeze protection and to maintain temperatures up to **165°C** in areas not exposed to chemicals, corrosives and not potentially explosive atmospheres. The overbraided metallic sheath provide mechanical protection and a good earth connection.

FEATURES

PIPETRACE parallel heating cables have a constant power output per linear metre even when they are cut to length on site. They feature a heating wire which is coiled to form a spiral round the two insulated conductors that it contacts, alternately, at given regular interval points. Internally, the cable forms a system of many resistors, in parallel, which are powered by the two conductors through the contact points. This makes it possible to cut the cable at the required length on site.

When applying voltage to the conductors, the heating element receives the voltage between the contact points A-B, B-C, C-D, etc. This ensures that the power output per linear meter of cable is constant and independent of its length.

CONSTRUCTION



TECHNICAL SPECIFICATIONS

Referencia de catálogo: Catalog number:	AKO-71010	AKO-71015	AKO-71020	AKO-71025	AKO-71030	AKO-71035	AKO-71050
Power output ($\pm 7\%$) at 230 V (w/m):	10	15	20	25	30	35	50
Max. exposure temp. (power on) °C:	165	150	130	115	95	75	25
Max. exposure temp. (power off) °C:	180	180	180	180	180	180	180
Maximum circuit length (m):	150	125	105	95	85	80	65
Heating zone length (mm):	1000	1000	1000	500	1000	500	500
Insulation colour (1)	white	Yellow	Yellow	white	white	white	Blue
Insulation colour (2)	white	Yellow	Blue	Yellow	Blue	Blue	Blue
Mottled colour	Red	Orange	Brown	Grey	Yellow	Red	Blue
Conductors:	2 x 1,5 mm ² Nickel-plated copper						
Heating conductor element:	Nickel-chrome						
Insulation material:	Silicone-rubber						
Braided metal sheath:	Tinned copper > 1,5 mm ²						
Electric strength:	Test voltage 2000 V ~						
Nominal outer dimensions:	6,4 x 9,4 mm						
Minimum bend radius at -40°C:	20 mm						
Standard reel length:	100 m						
Standard and certificate	CEI 61423, Det Norske Veritas DNV Cert. Núm.:E-6297						

ACCESSORIES

The appropriate kits should be used to make power connections and cable end seals

