

**CABLURI DE INCALZIRE  
HEATING CABLE**

**Standard de referinta:** SR CEI 60800  
DIN VDE 0253

**Domeniul de utilizare:**

Cablurile sunt utilizate in instalatii fixe pentru confortul termic si protectie impotriva formarii ghetii .Cablul de incalzire are functia de a iradia caldura.

**Temperatura nominala:** +180 °C  
**Temperatura la suprafata:** +90 °C

**Tensiune max de lucru:** 300/500 V  
**Tensiunea de incercare:** 3 kV c.a sau 7.5 kV cc  
**Rezistente de izolatatie:** min 1 M\*km

**Constructie:**

Conductor din sarma rezistiva  
Izolatie: teflon  
Strat intern de polietilena  
Ecran : Folie Alu/Pet 21/20 µ  
Fire continuitate: 6x0.2 stanat  
Manta : poliuretan

**Culoare manta:** neagra (alte culori)

**Marcaj:** Efficient Heating Systems -  
Kanthal Wire – 90oC – 300/500 V  
03.2011 – 00001 m CE

**Distanta intre marcaje:** 1000 mm

**Reference standard:** SR CEI 60800  
DIN VDE 0253

**Applicability:**

The cables are used in fixed installations that provide heating and protection against ice buildup. The cable is designed to emit heat.

**Rated temperature:** +180 °C  
**Surface temperature:** +90 °C

**Max. operational voltage:** 300/500 V  
**Testing voltage:** 3 kV c.a sau 7.5 kV cc  
**Insulation resisitivity:** min. 1 M\*km

**Structure:**

Resistive wire conductor  
Layer: polytetrafluorethylen  
Insulation: polyethylene  
Screen: Alu/Pet film 21/20 µ  
Continuity tinned copper wire: 6x0.2 mm  
Sheath: poliurethane

**Sheath color:** black (other colors)

**Marking:** Efficient Heating Systems -  
Kanthal Wire – 90oC – 300/500 V  
03.2011 – 00001 m CE

**Distance between markings:** 1000 mm

*Simbol cablu: H5YQU2Y 1x0.21mm<sup>2</sup> 90°C*

*Semnificatia:*

*1 - unu conductor*

*0.21 - sectiune sarma rezistiva*

*90°C - temperatura de lucru a cablului*

*H - cablu de incalzire*

*5Y - izolatatie din politetrafluoretilena (teflon)*

*QU - ecran metalic*

*2Y - invelis protector din poliuretan*

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<b>Nr cond x Sectiune nominala a cond.</b>	<b>Nr sarme x diam</b>	<b>Grosime radianta izolatie nom/min</b>	<b>Grosime radianta manta interna nom/min</b>	<b>Grosime radianta manta nom/min</b>	<b>Diametru exterior</b>
<i>Nominal crosssection of conductor mm<sup>2</sup></i>	<i>Conductor construction</i>	<i>Min.insulatio n thickness mm</i>	<i>Radial thickness of sheath mm</i>	<i>Radial thickness of sheath mm</i>	<i>Outer diameter mm</i>
1x0.21	3x0.3	0.5/0.35	0.8/0.58	1.1/0.84	6