

**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: +80 °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 izolatie: min 1 M*km

Constructie:

Conductor din sarma rezistiva
Izolatie: 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

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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: +80 °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: 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 1x0.21mm² 90°C

Semnificatia:

1 - unu conductor

0.21 - sectiune sarma rezistiva

90°C - temperatura de lucru a cablului

H - cablu de incalzire

5Y - izolatie din polietilena

QU - ecran metalic

2Y - invelis protector din poliuretan

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| Nr cond x Sectiune nominala a cond. | Nr sarme x diam | Grosime radianta izolatie nom/min | Grosime radianta manta nom/min | Diametru exterior |
|---|-----------------------------------|--|---|----------------------------------|
| <i>Nominal crosssection of conductor mm²</i> | <i>Conductor construction</i> | <i>Min.insulatio n thickness mm</i> | <i>Radial thickness of sheath mm</i> | <i>Outer diameter mm</i> |
| 1x0.21 | 3x0.3 | 0.8/0.58 | 1.1/0.84 | 6 |