



Versatile solid conductors with extended temperature range

- Solid single copper conductor



Product description

Application range

- Areas with high ambient temperatures where conventional core insulation materials will embrittle after a short while
- Typical fields of application
 - Control cabinet manufacturing
 - Appliances and apparatus engineering
 - Electric motor industry
 - Sauna/solarium construction
 - Thermal and heating elements
 - Lighting technology
 - Ventilator engineering
 - Air-conditioning technology
 - Furnace construction
 - Polymer processing
 - Generator and transformer manufacturing

Product Make-up

- Tinned solid copper wire
- Silicone-based insulation

Product features

- Halogen-free according to IEC 60754-1
- Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances

Technical Data

Classification	ETIM 5.0 Class-ID: EC000993
Conductor stranding	ETIM 5.0 Class-Description: Single core cable
Minimum bending radius	Solid single copper conductor
	Fixed installation: 6 x core diameter
	One bend at end of core:
	3 x cable diameter
Nominal voltage	U ₀ /U: 300/500 V
Test voltage	2000 V
Temperature range	-50 °C to +180 °C
	(adequate ventilation required)
	Short-term: +200°C