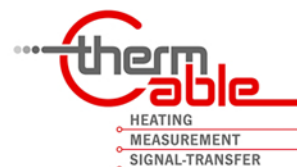


DELIVERY PROGRAM

Standard product range **mineral insulated signal cables**



These cables are of high importance in many high-tech applications such as: aerospace, nuclear, medical and vacuum technology, power plants, cryogenics.

Manufactured by us according to your defined specifications.

- ... by their application specific design: coaxial, triaxial; one or more conductors
- ... with different types of wires: Examples: Stainless Steel, Copper, Inconel or Nickel
- ... single or multiple sheath with different materials and mineral insulations (MgO, Al₂O₃, SiO₂)

Coaxial Cable				
Outside diameter	Sheath	Insulation	Conductor wire	Conductor diameter
1,0mm ± 0,05mm	304L	MgO>96%	1xCu-Zr with VA(304L) cladde	0,44mm±0,05mm
1,0mm ± 0,05mm	Inconel 600	MgO>96%	2xCu-Zr with VA(304L) cladde	0,23mm±0,05mm

Special geometries (core diameter, wall thickness, etc.) according to customer requirements

Sheath: Inconel 600 (2.4816), 1.4541, 1.4571, 1.4404, 1.4306, etc.

Core material: copper or nickel

Core materials like Cu with nickel-plated or copper-zirconium with stainless steel plated
1.4541, 1.4571, 1.4404, 1.4306, etc. upon request.

Triaxial Cable			
Description	Dimensions	Sheath	Other Sheaths
Outside Diameter OD	1.5mm to 6.0mm	Inconel 600	AISI 321, 316Ti, 316L, 304L... Special geometries after customer request
Wall Thickness from OD	12,6% from AD		
Inner Sheath Material Diameter	40% from AD	Inconel 600	
Wall Thickness Inner Sheath Material Diameter	6% from AD		
Insulation	MgO > 96%	MgO > 96%	
Diameter of Conductor Wire	15% from AD	Inconel 600	
Delivery program			
Outside Diameter OD	3,0mm	2,00mm	1,5mm
Conductor Wire Resistance	3,25Ω/m	15Ω/m	25Ω/m

3 metal sheaths from outside to inside: VA, Cu > 99%, VA			
Description	Dimensions	Sheath	Other Sheaths
Outside Diameter OD	3,6mm to 6,0mm	VA, Cu >99%, VA	AISI 321, 316Ti, 316L, 304L... Special geometries after customer request
Wall Thickness from OD	22,5% from AD		
Inner Sheath Material Diameter	55% from AD	MgO > 96%	
Insulation			
Diameter of Conductor Wire	15% from AD	Cu	

Smallest bending radius 5x outside diameter

subject to errors

ThermCable GmbH
Am Bahnhof 6a
63505 Langenselbold

Mail: info@thermcable.de
Web: www.thermcable.de

Tel. +49 (0) 61 84 / 9 32 84 - 0
Fax +49 (0) 61 84 / 9 32 84 - 11

