

# ISOMIL-M

Example: The designation 2C2A60 stands for a MIMS cable with 2 wires, copper inner conductors, MgO ( $\geq 96\%$ ) insulation, sheath material 1.4541 and an outer diameter of 6 mm.

Number of inner conductors	Inner conductor	Insulation	Sheath material	Outer diameter (1/10 mm)
1 1-wire	C Copper	2 MgO ( $\geq 96\%$ )	A 1.4541/SS 321	Dimensions available in the range of 0.5 – 12.7 mm.  Tolerance: +0,00 / -0,00 mm
2 2-wire	Ni Nickel	3 MgO (99,4%)*	F 1.4571/SS 316TI	
3 3-wire	CN Copper-nickel		L 2.4816/Alloy 600	
4 4-wire			C 2.4851/Alloy 601	
6 6-wire			Z 2.4858/Alloy 825	
8 8-wire			P 2.4951/Nimonic 75	
			Q 1.4845/SS 310S	
			R 1.4301/SS 304	
			S 1.4404/SS 316L	
			X 1.4876/Alloy 800	
			NC IncoAlloy TD	
			RL 1.4307 / AISI304L	
			U 2.4663/Alloy 617	
		* High purity on request ** Wide Space on request	* Heavy Wall on request	* Special dimensions on request

## Physical properties of the conductor materials

Inner conductor material	Elec. resistance ohm mm <sup>2</sup> / m at 20 °C					Highest permissible application temperature °C
	20 °C	200 °C	400 °C	600 °C	800 °C	
Cu	0,0175	0,030	0,045	0,059	–	600
CuNi 44	0,490	0,49	0,49	0,51	0,52	700
Ni	0,080	0,172	0,325	0,395	0,407	800