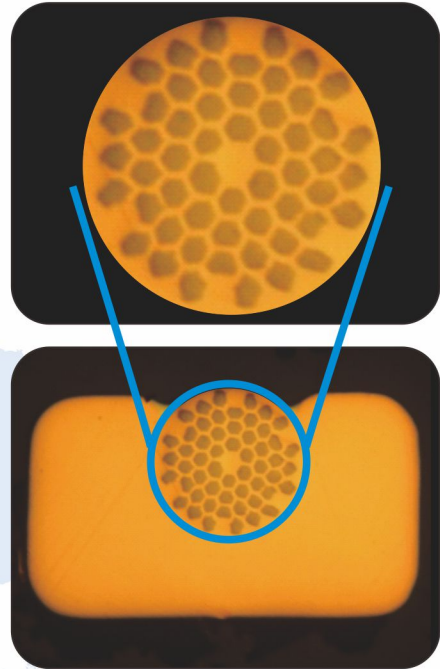


WIC NbTi超导线主要应用于MRI的磁体系统。这种类型的超导线是将NbTi圆芯线镶嵌入铜槽线中，并焊接在一起，从而获得高的铜超比，有利于MRI磁体系统的稳定性。通常，WIC NbTi超导线采用涤纶丝编织绝缘的方式。典型的铜超比范围在5:1~20:1，以下列表中的规格类目的是常规产品，我们也可以根据客户的需要提供高性价比的定制产品。

NbTi Wire in channel (WIC) is mostly used in magnet of MRI system. In WIC NbTi core wire is inserted into a copper channel and soldered together, for achieving high copper fraction and thermal stability in MRI magnets, and then insulated by polyester braid typically. The Copper to Non-Copper ratio for WIC is available from 5:1 to 20:1,. The standard dimensions of regular products are shown below. The customized parameters can be available for clients with effective cost solutions.



## NbTi SUPERCONDUCTING WIRE(Wire in channel)

	Nominal Dimension(mm)		Number of filaments	Filament Diameter (μm)	Nominal Cu/ non-Cu	Critical Current (Amps @4.2K)			n value	Insulation	RRR (273K /10K)
	Bare	Insulated				2T	3T	4T			
1	2.286 × 1.524	2.553 × 1.765	55	93	7.7	>2000	>1550	>1210	>30(3T)	PET	>200
2	2.286 × 1.524	2.553 × 1.765	55	82	10.5	>1490	>1210	>950			
3	1.978 × 1.173	2.240 × 1.425	55	83	6.6	>1350	>1080	>1000	>35(4T)	PET	>100
4	1.978 × 1.173	2.240 × 1.425	55	79	7.5	>1230	>980	>875			
5	1.978 × 1.173	2.240 × 1.425	54	74	7.8	>1130	>900	>780			
6	1.978 × 1.173	2.240 × 1.425	54	68	9.7	>930	>740	>600			
7	1.565 × 1.040	1.815 × 1.290	55	98	5	>1200	>960	>900			
8	2.700 × 1.340	2.940 × 1.590	55	82	11	>1530	>1210	>1000			