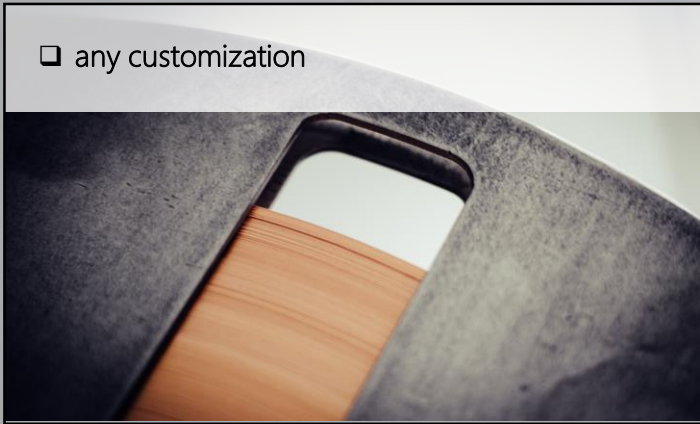
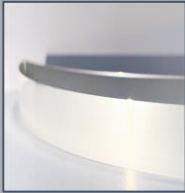


- wire for LN₂



Parameter	Value		
Substrate thickness	40, 60, 100 μm		
Tensile strength *	> 500 MPa		
Critical deformation*	0.45%		
Critical bend diameter *	< 10 mm(30-40 μm) 15(60 μm) 25(100 μm)		
Wire width, mm	4.0	6.0	12.0
Min. critical current @ 77 K, s.f.	100-200 A	150-300 A	500-700 A
Critical current standard deviation	≤ 3%		

* I_c retention ≥ 95%



silver



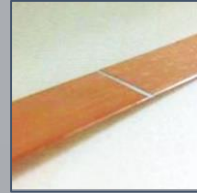
copper



solder



insulation



low resistance joints

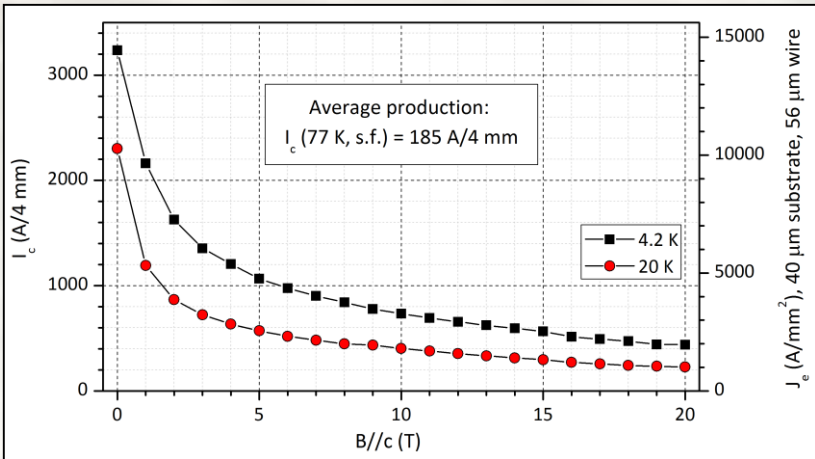


lamination and stacks

- wire for in-field applications

Critical current for 4 mm SuperOx wire at high magnetic fields and low temperatures

	s.f.	5 T	10 T	15 T	20 T
20 K	2300 A	570 A	400 A	300 A	220 A
4.2 K	3200 A	1060 A	730 A	560 A	440 A



1000 A/mm² @ 20 K, 20 T
 2000 A/mm² @ 4.2 K, 20 T

World record!
 commercially available product