

T-GLIDE™

PTFE-COATED WIRE



PTFE coated wire has been used widely in medical device applications.

KT Medical utilizes specialized coating technology to apply a strong, adherent, thin and uniform PTFE layer to the wire. The resultant PTFE coating provides a low friction coefficient and added chemical resistance to form a smooth, lubricant surface for precision coiling and mandrel wires.

PTFE COATED WIRE COIL

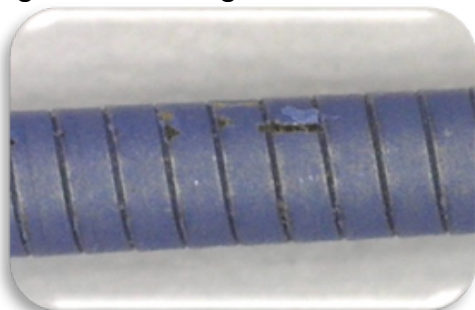
T-GLIDE™ WIRE COIL

Pre-coating on the wire before coiling



Spray-Coated Coil

Coating after coiling



SMOOTH SURFACE

easy advancement and tracking

STRONG ADHESION

uncompromised safety

EXCELLENT LUBRICITY

better catheter compatibility

ENHANCED DURABILITY

robust performance even
after multiple catheter exchanges

BIOCOMPATIBILITY



Geometric & Package Options

Base Material	Wire Dia.	Coating Thickness	Coating Color	Package
Nitinol (cut length)	.006" - .025"	3μm 7μm	green blue clear	plastic tube
	0.15mm-0.64mm			
Nitinol (spool)	.003" - .035"			spool type: DIN250 D300
	0.08mm-0.89mm			
Stainless Steel	.003" - .035"			
	0.08mm-0.89mm			

* Customization is available upon request.

C O N V E R S I O N T A B L E

Diameter

【1 inch = 25.4 mm】 【1 mm = .039 inch】

inch	.0010	.0015	.0020	.0025	.0030	.0035	.0040	.0045	.0050
mm	0.0254	0.0381	0.0508	0.0635	0.0762	0.0889	0.1016	0.1143	0.1270
inch	.010	.014	.018	.021	.025	.028	.032	.035	.038
mm	0.254	0.3356	0.4572	0.5334	0.6350	0.7112	0.8128	0.8890	0.9652

Length

【1 foot = 12 inch = 0.3048 m = 304.8 mm】

ft	1				2	750	1250	2500	5000
inch	12	1			24	9000	15000	30000	60000
m	0.3048	0.0254	1		0.6096	228.6	381	762	1524
mm	304.8	25.4	1000	1	609.6	228600	381000	762000	152400
	ft	inch	m	mm					

Tensile Strength

【1 kgf/mm2 = 1.42 ksi = 9.81 MPa = 9.81 N/mm2】

kgf/mm2	1			70.31	105.46	140.61	175.77	210.92	246.07	281.23
ksi	1.42	1		100	150	200	250	300	350	400
MPa=N/mm2	9.81	6.89	1	689.4	1034.2	1379.0	1723.7	2068.4	2413.2	2757.9
	kgf/mm2	ksi	MPa							

Weight

【1 kg = 2.2046 lb = 35.27 oz = 1000 g】

kg	1				45.36	90.72	136.08	181.44	226.80
lb	2.2	1			100	200	300	400	500
oz	35.3	16	1		1600	3200	4800	6400	8000
g	1000	453.6	28.3	1	45359	90718	136078	181437	226796
	kg	lb	oz	g					

• Base Wire Material

- Stainless Steel 302/302V
Stainless Steel 304/304V
(ASTM A313)
- Nitinol
(ASTM F2063)

• PTFE Coating Material

- IUPAC name: poly (1,1,2,2-tetrafluoroethylene)
- Chemical formula: (C2F4)n
- Melting point: 600K (327 °C)
- Density: .039 lb/in³ (1.1 g/cm³)
- Static friction coefficient: .08 – .14
- Young's modulus @R.T: 0.5 GPa
- Conforms to ASTM D3359-17 (coating adhesion test) and ASTM D1894 (friction test) standards

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ISO 13485

