

Tubes

Flat Tubes
PUTMF
PUTMFL

Material: Polyurethane

Part Number		Number of Bores	Standard Length (m)	Configurable Length (0.5m Increment)	I.D. (mm)	Min. Bending Radius (mm)	Mass (kg/m)	Standard		Configurable Length	
Type	O.D. (mm)							PUTMF	PUTMFL	Unit Price	Volume Discount Rate
PUTMF (Standard Length) PUTMFL (Configurable Length)	4	2	20	0.5-19.5	2	15	0.022	1 pc.	2-4	1 pc.	2-4
		3			2.5		0.033				
		4			4		0.044				
		2			4		0.038				
		3			4		0.057				
		4			4		0.076				
	6	2			4	0.074					
		3			5	0.111					
		4			5	0.148					
		2			6.5	0.11					
		3			6.5	0.165					
		4			6.5	0.22					
8	2	65	8	0.152							
	3		0.22								
	4		0.304								

Color Matching: 2-Bore=Clear, Blue; 3-Bore=Clear, Blue, Light Green; 4-Bore=Clear, Blue, Light Green, Green

Water Resistant Polyurethane Spiral Tubes
PUTSP

RoHS10

Material: Polyurethane

Part Number	O.D. (mm)	Opening Limit Length (mm)	Tube Color	I.D. (mm)	D	L	A	B	Min. Bending Radius (mm)	O.D. Accuracy (mm)	Mass (kg/m)	Unit Price/m	Volume Discount Rate	
PUTSP	4	700	B (Black)	2	21	520	120	60	5	±0.1	0.009	1 pc.	2-4	
		1000												
		1300												
		850												
		1300												
		1750												
	6	1000	4	38	580	180	490	90	120	15	±0.1	0.019	1 pc.	2-4
		1600												
		2200												
		1150												
		1900												
		2550												
8	1600	5	42	640	240	200	270	200	25	+0.1 -0.15	0.037	1 pc.	2-4	
	2200													
	1150													
	1900													
	2550													
	1500													
10	1900	6.5	52	700	300	850	450	300	28	+0.1 -0.15	0.055	1 pc.	2-4	
	2550													
	1500													
	2200													
	3100													

Operating Limit Length is the overall length (L) of the tube when extended to a serviceable maximum. Minimum bending radius is based on operation of bending the straight parts at both ends.

Multi-Spiral Tubes
PUTMSP

RoHS10

Material: Polyurethane

Part Number	O.D. (mm)	Number of Bores	Nominal Length (mm)	Opening Limit Length (mm)	I.D. (mm)	Min. Bending Radius (mm)	D	L	A	B	Unit Price/m	Volume Discount Rate
PUTMSP	4	2	700	787	2	15	21	529	129	200	1 pc.	2-4
			800									
			900									
			700									
			900									
			985									
	6	1100	1133	4	25	44	693	293	200	200	1 pc.	2-4
		900										
		985										
		1200										
		1413										
		1210										
8	1400	1417	5	40	55	739	339	200	200	1 pc.	2-4	
	1200											
	1413											
	1200											
	1400											
	1417											
10	1600	1673	6.5	55	63	909	509	200	200	1 pc.	2-4	
	1400											
	1417											
	1700											
	1715											
	1900											
12	1900	1920	8	65	84	1008	608	200	200	1 pc.	2-4	
	1600											
	1615											

Operating Limit Length is the overall length (L) of the tube when extended to a serviceable maximum. Minimum bending radius is based on operation of bending the straight parts at both ends.

Slit Spiral Tubes With Fluoresin Insulated Wire
PUTHSP

RoHS10

Material: Polyurethane

Part Number	O.D. (mm)	Nominal Length (mm)	Wire (mm)	L	Opening Limit Length (mm)	I.D. (mm)	Min. Bending Radius (mm)	A	B1	B2	G	H	Unit Price/m	Volume Discount Rate	
PUTHSP	4	500	0.15	445	535	2.5	40	150	250	35	300	300	1 pc.	2-4	
		300													
		900													
		500													
		465													
		560													
	6	700	0.3	530	725	4	65	130	150	250	49	300	300	1 pc.	2-4
		800													
		595													
		890													
		600													
		490													
8	900	0.3	580	940	5	90	180	150	250	66	300	300	1 pc.	2-4	
	1200														
	670														
	1210														

Operating Limit Length is the overall length (L) of the tube when extended to a serviceable maximum. Minimum bending radius is based on operation of bending the straight parts at both ends.

Features The tube can flex and follow the movements of linear slide units, etc. Electrical wire can easily be inserted and removed from the slit on the side.

Sputtering Resistant Tubes
PUTS
PUTSL

Material: Incombustible Polyurethane

Part Number		Standard Length (m)	Configurable Length (0.5m Increment)	Tube Color	I.D. (mm)	Min. Bending Radius (mm)	O.D. Accuracy (mm)	Mass (kg/m)	Standard		Configurable Length																		
Type	O.D. (mm)								PUTS	PUTSL	Unit Price	Volume Discount Rate	Unit Price/m	Volume Discount Rate/m															
PUTS (Standard Length) PUTSL (Configurable Length)	6	10	0.5-9.5	B (Black)	4	15	±0.1	0.019	1-4 pc(s).	5-10	1-4 pc(s).	5-10																	
													8	10	10.5-19.5	R (Red)	5	20	0.037										
																				10	10	±0.1	0.055						
																								12	10	+0.1 -0.15	0.076		
																												10	20

Vacuum Tubes
PUVFN
PUVFLN

Material: Soft Polyurethane

Part Number		Standard Length (m)	Configurable Length (0.5m Increment)	I.D. (mm)	Min. Bending Radius (mm)	O.D. Accuracy (mm)	Mass (kg/m)	Standard		Configurable Length					
Type	O.D. (mm)							PUVFN	PUVFLN	Unit Price	Volume Discount Rate	Unit Price/m	Volume Discount Rate/m		
PUVFN (Standard Length) PUVFLN (Configurable Length)	4	10	0.5-9.5	2.5	12	±0.1	0.009	1-4 pc(s).	5-10	1-4 pc(s).	5-10				
		20													
	6	10										10.5-19.5	4	18	0.018
		20													

Use Inserts for Soft Tubes on (P.1390) when connecting these tubes to One-Touch Couplings.

Ordering Example

Part Number - Number of Bores - Length

PUTMF4 - 3 - 20

PUTMSP6 - 4 - 900

Part Number - Length - Color

PUTSL8 - 1.5 - R