

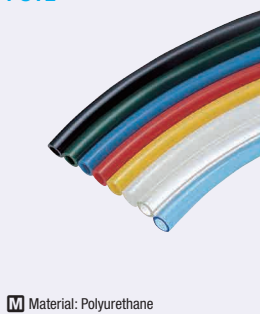
Tubes



Comparison points with similar parts

We have not only tubes for air but also water resistant polyurethane tubes which can be used for water and other variety of products. We will ship a tube cut to the length you specify so that you can use it without any waste.

Water Resistant Polyurethane Tubes PUT PUTL



M Material: 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)	PUT	PUTL						Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~10	Unit Price / m 1 ~ 4 pc(s).	Volume Discount Rate / m 5~10			
PUT (Standard Length)	3.2	10	0.5~ 9.5 10.5~19.5	B (Black) C (Transparent)	1.8	7	±0.1	0.0064			-	-			
		20													
		100													
	4	20			2.5	5		0.009							
		100													
PUTL (Configurable Length)	6	10		B (Black) C (Transparent) W (White) R (Red) Y (Yellow) BL (Blue) G (Green) CB (Transparent Blue)	4	12		+0.1 -0.15	0.019						
	8	20			5	15				0.037					
		100													
		10													
	10	20			6.5	25			0.055						
		100													
12	10	B (Black)		8	28	0.076									
	20														
	100														
16	10	B (Black)	11	30	0.127										
	20														

Soft Polyurethane Tubes PUTY PUTYL



M Material: Soft 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)	PUTY	PUTYL						Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~10	Unit Price / m 1 ~ 4 pc(s).	Volume Discount Rate / 5~10
PUTY (Standard Length)	4	10 20	0.5~ 9.5 10.5~19.5	B (Black) C (Transparent)	2.5	17	+0.05 -0.2	0.009				
	6	10 20			4	28		0.019				
8		10 20						5	36	0.037		
	10	10 20			6.5	45				0.055		

Use Inserts for Soft Tubes on (P1390) when connecting these tubes to One-Touch Couplings.

Nylon Tubes PUTN PUTNL



M Material: Nylon (Polyamide)

Part Number		Standard Length (m)	Configurable Length (0.5m Increment)	Tube Color	I.D. (mm)	Min. Bending Radius (mm)	O.D. Accuracy (mm)	Burst Pressure (MPa)	Normal Pressure (MPa)	Mass (kg / m)	Standard		Configurable Length			
Type	O.D. (mm)	PUTN	PUTNL								Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~10	Unit Price / m 1 ~ 4 pc(s).	Volume Discount Rate 5~10		
PUTN (Standard Length)	3.2	10 20	0.5~ 9.5 10.5~19.5	B (Black)	2	7	±0.05 -0.10	5.4	1.8	0.0052			-	-		
	4	10 20			2.5	10		6.0	2.0	0.008						
		6						10 20	4	20		5.1	1.7	0.017		
PUTNL (Configurable Length)	8	10 20			W (White)	6.0		30				±0.05	3.9	1.3	0.026	
	10	10 20				7.5		40		3.6	1.2		0.040			
	12	10 20		9.0						55			3.6	1.2	0.053	

Pressure Resistant Nylon Tubes PUTHP PUTHPL



M Material: Nylon (Polyamide)

Part Number		Standard Length (m)	Configurable Length (0.5m Increment)	Tube Color	I.D. (mm)	Min. Bending Radius (mm)	O.D. Accuracy (mm)	Burst Pressure (MPa)	Normal Pressure (MPa)	Mass (kg / m)	Standard		Configurable Length			
Type	O.D. (mm)	PUTHP	PUTHPL								Unit Price	Volume Discount Rate	Unit Price / m	Volume Discount Rate / m		
PUTHP (Standard Length)	4	10	0.5~ 9.5 10.5~19.5	B (Black)	2.5	15	±0.05	8.8	2.9	0.008						
	6	20			4	25		7.7	2.6	0.017						
		10														
	8	20			6	35		5.5	1.8	0.023						
		10														
PUTHPL (Configurable Length)	10	20		W (White)	8	50		+0.05 -0.1	5.1	1.7	0.029					
	12	20			9	55			5.5	1.8	0.052					
		10														
	16	20			12.8	100			4.0	1.3	0.076					
		10														

Soft Nylon Tubes PUTNS PUTNSL



M Material: Nylon

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)	PUTNS	PUTNSL						Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 ~ 10	Unit Price / m 1 ~ 4 pc(s).	Volume Discount Rate 5 ~ 10
PUTNS (Standard Length)	4	20	0.5~ 9.5 10.5~19.5	W (White)	2.5	14	±0.1	0.009				
	6				4	21		0.017				
	8				6	34		0.023				
PUTNSL (Configurable Length)	10			B (Black)	7.5	42		0.036				
	12				9	51		0.052				



Ordering Example
Part Number - Length - Color
PUT4 - 10 - B
PUTNL8 - 2.5 - W



Comparison points with similar parts

Tubes exclusively for pneumatic plumbing. As they are sold in spiral windings, they may be kept in company stock or use them when large quantity of tubes are needed.

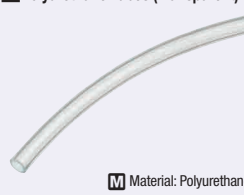
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Polyurethane Tubes (Black)



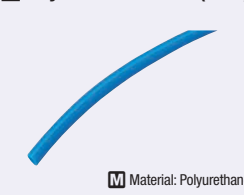
M Material: Polyurethane

Polyurethane Tubes (Transparent)



M Material: Polyurethane

Polyurethane Tubes (Blue)



M Material: Polyurethane

Polyurethane Tubes (Orange)



M Material: Polyurethane



Ordering Example

Part Number - Length
EPTUB6 - 200
EPTUC12 - 100



Selection guide for specification and material to fluid (for reference)

Type	Common	
Material	Polyurethane	
Applicable Fluid	Air	Vacuum
Temperature Range Specification	-5 ~ 60°C (Non-Freezing)	
Burst Pressure	3.0MPa	-
Max. Operating Pressure	0.8MPa	-
Operating Vacuum Level	-	-100kPa
Features	• Smaller bend radius than Nylon Tubes • Excels in flexibility • Excellent mechanical (especially wear resistance) strengths	

Precautions for Use

- Do not apply an excessive twisting, bending, or tensile force to a tube.
- When using a tube, observe the minimum bending radius.
- In piping, ensure that the tube length is long enough.
- When using a tube in combination with a one-touch coupling, check that its cross section forms a right angle.
- When using a tube in combination with a one-touch coupling, check that its outer diameter is not damaged or bent.
- Do not use a tube in the presence of flames or static electricity, or a fire may be caused.