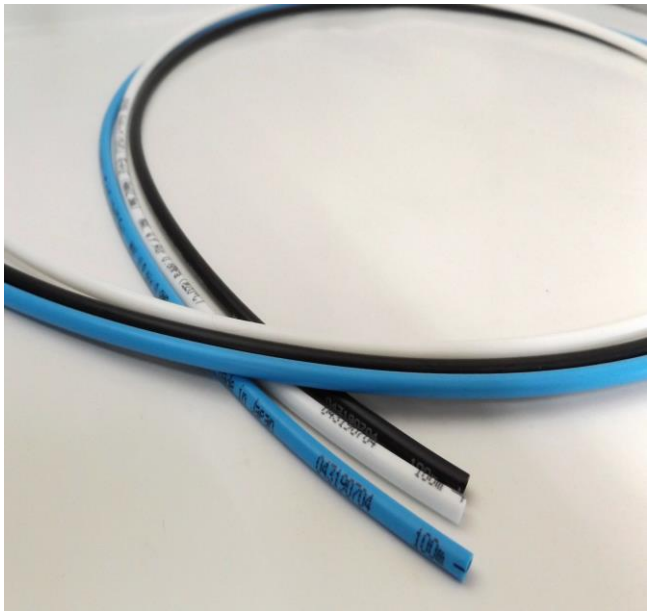
CHIYODA

190705

NEW PRODUCTS

Low Friction Tubing

Touch Tube 'TE－LF Series'



Shut out tube wear on moving parts of piping !

Low Friction Tube :TE－LF

The piping installed in moving parts such as cable bearings is worn away by high speed and frequent rubbing, and even in the case of polyurethane tube with excellent wear resistance still wears out in a short time.

The low friction tube TE-LF series is used of a special polyurethane material in which solid lubricant fine particles are dispersed, greatly reducing the frictional resistance of the tube surface and suppressing pipe wear on moving parts.

＜Specifications＞

Application	Compressed Air
Working Temp. Range	－5～60℃
Burst Pressure	3MPa
Max. Working Pressure	0．8MPa （20℃）
Static Friction Coefficient	0． 1 （*TE Tube 0．4）

＜Abrasion Resistance＞

Apply 2kg of vertical load to the sample tube, and measure the amount of wear of tube thickness when the metal plate is slid at 0.5 Hz and moved 500,000 times.

Sample	Wear Amount（mm）
TE-LF Tube	Less than 0．1
TE Tube	0．7

The static friction force of an object (the force at which a stationary object starts to move) is determined by the load applied perpendicularly between the objects and the static friction coefficient. Substances with a small coefficient of static friction have a low frictional force and are slippery.

Material： Special Polyurethane Material

Model	O.D.×I.D. (mm)	Tolerance (mm)	Min. Turning Radius (mm)	Weight (g／m)	Color
TE-4-LF	4×2.5	±0.1	5	9	BK
TE-6-LF	6×4		12	19	W
TE-8-LF	8×5		15	37	LB

※ 1）The actual wear of the tube also depends on the load applied to the surface, the relative speed, and the ambient temperature.

2） The actual wear of the tube also depends on the load on the surface, the relative speed and the ambient temperature

3）Intermittent abrasion may occur if hard particles or powder intervene between the tube and the other side in contact with the tube.