

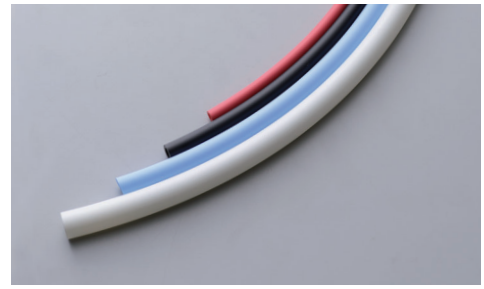
Flame-resistant Tubing

FUK

For spot welding piping (flexible)

Features

- A double-layer structure which adopts a flame-retardant resin for the outer layer and an ether-based polyurethane resin for the inner layer.
- Excellent in flexibility, abrasion resistance and sliding properties.
- With no need to peel off the outer layer, it requires less effort in pipe installation.
- Our line-up of products with increased inner diameters contributes to the increase in flow volume.



Product number table

- Millimeter size type (Group 4)

Type	Outer diameter × Inner diameter (mm)	Max. working pressure (Mpa at 20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)							
					Black	White	Yellow	Blue	Green	Red	Light green	Pink
					BK	WH	YL	BU	GN	RE	LGN	PK
FUK-4-6×4	6×4	(Air)0.8	20	19	●	○	●	●	●	●	—	—
FUK-4-8×5	8×5	(Water)0.7	20	37	●	○	●	●	●	●	—	—
FUK-4-10×6.5	10×6.5		25	54	●	○	●	●	●	●	—	—
*1 FUK-4-10×7	10×7	(Air)0.7(Water)0.6	35	48	●	○	●	●	●	●	●	●
FUK-4-12×8	12×8	(Air)0.8(Water)0.7	35	74	●	○	●	●	●	●	●	●
*1 FUK-4-12×8.5	12×8.5	(Air)0.7(Water)0.6	40	67	●	○	●	●	●	●	●	●

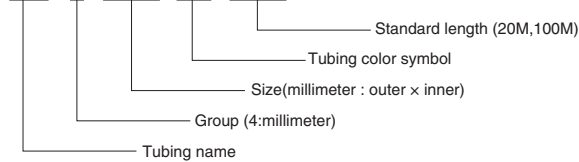
*1 The applicable fittings are only the ones in PushOne series.

Standard length

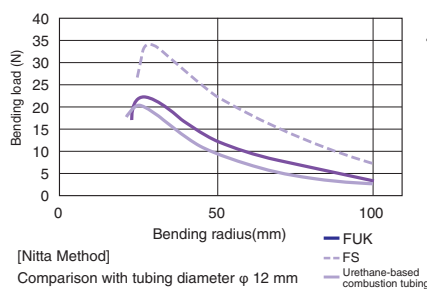
20M, 100M

Product number example

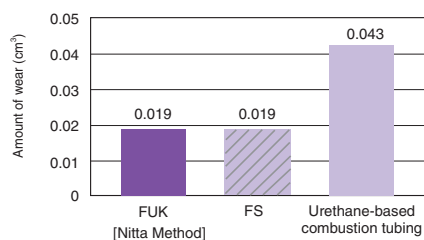
FUK - 4 - 12×8 - WH - 100M



Flexibility data



Abrasion resistance



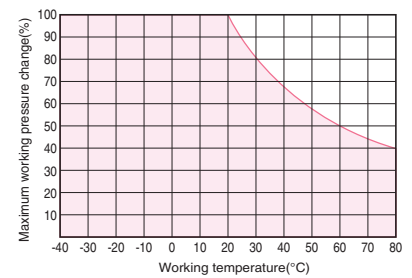
Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	-40°C~+80°C
Water	0°C~+60°C

Relation between the working temperature and the maximum working pressure

The maximum working pressure varies with the working temperature (environmental temperature). For use at an abnormal temperature, always check the maximum working pressure change in the graph below and keep the pressure with in the indicated range.

⚠ Caution: Using tubes at a pressure outside the range may cause accidents or damage, for which Nitta is not liable.



Handing instructions

⚠ Caution: When water is used as the operating fluid, the tubing material might degrade depending on the additive. Contact us for details.

⚠ Caution: When water is used as the operating fluid, keep the surge pressure below the maximum working pressure. Also, do not allow the water to freeze.

📖 See page 10 for common Instructions for tubing products.

Applicable fittings



(*1) When QuickSeal series fittings are used on a spatter-resistant line, replace the nylon sleeve with a brass sleeve.

(*2) Combinatory use of FUK tubing and Chemifit series mixes general and clean type performances.

When using them together in a clean environment, be aware of how this could lower the cleanliness level.

Related products and product introduction

Spatter Cap



Reference

Effective sectional area ...P.168

Tubing

Clean tubing

Processed tubing

PushOne fitting

QuickSeal fitting

Clean fitting/ Chemifit

Bamboo-shoot fitting

Control switch/ Detachable series

Jig/Tool/ Accessory

Technical information

Reference