Flame-resistant Tubing

For spot welding piping (flexible)

Features

- Tubes with higher flexibility than FW, with a double-layer structure which utilizes a flame-retardant resin for the outer layer and an ether-based polyurethane resin for
- Markings along the tubing as an insertion length indicator.

222000

Product number table

Millimeter size type (Group 4)

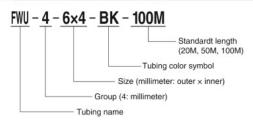
Туре	Inner tubing	Cover thickness	Max. working pressure (MPa at20°C)	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)								ol)
	Outer diameter × Inner diameter (mm)					Inner tubing	Outer cover							
							Black	Red	Blue	Green	Yellow	Light	Pink	Greenisi white
										GN				
FWU-4-6×4	6×4	1.0		14	50		•		-	-	-	-	-	_
FWU-4-8×5	8×5	1.0	0.9	20	73	×	•	-	-	-	-	-	-	-
FWU-4-10×6.5	10×6.5	1.0	1270	30	98	Black	•	•	•			0	•	0
FWU-4-12×8	12×8	1.0	0.6	35	126	-	•	•	•	•	0	0	•	0

Use Nitta's special cutter (TC02, TC03) to peel off covers.

Standard length

20M, 100M @ FWU-4-12x8: 50M only

Product number example



Insertion length markings

Markings along the tubing as an insertion length indicator.



Operating fluid, working temperature range

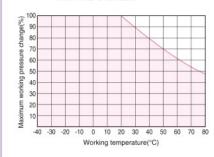
Operating fluid	Working temperature range					
Air	-40°C~+80°C					
Water	0°C~+50°C					

Negative pressure performance

-101.294kPa

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 within the indicated range.

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



Handling 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.

products

Applicable fittings









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

Related products and product introduction





Reference

UL-94 standard flame testP.195 Effective sectional area ··· · P.168 Negative-pressure performance list P.169