Flame-resistant Tubing



For spot welding piping (bilayer)

Features

- A double-layer structure with a flame-retardant resin for inner and outer layers.
- Markings along the tubing as an insertion length indicator.

Product number table

Millimeter size type (Group 4)

	Inner tubing	Outer cover	Max. working pressure	Min. bending radius (mm)	Weight (g/m)	Standard color (color symbol)									
T	Outer diameter × Inner diameter (mm)	Cover				ner tub	Outer cover								
Туре							Black	White	Yellow	Blue	Green	Red	Light green	Pink	Greenish white
											GN				
FW-4-6×4	6×4	1.0	1.0	14	49		•	0	0	•	•	•	_	_	0
FW-4-8×6	8×6	1.0	0.8	23	65	Black	•	0	0	•	•	•	_	_	0
FW-4-10×7.5	10×7.5	1.0		27	89		•	0	0	•	•	•	0	•	0
FW-4-12×9	12×9	1.0		31	116		•	0	_	•	•	•	0	•	0

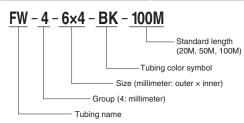
Caution: Before using FW tubes, peel off outer covers.

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

Standard length

20M, 100M @ FW-4-12x9: 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~+70°C					

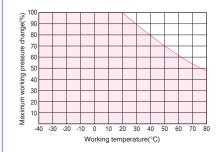
Negative pressure performance

-101.294kPa

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 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.

See page 10 for common instructions for tubing products.

Applicable fittings

PushOne A series



Spatter cap





(*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

Outer cover peeling cutter



Reference

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