

Tube quick reference

Tube line up



PVC tube

Heat resistance
(Up to 105°C)

UL standard tube
(- 30°C~105°C/300V·600V)

Heat resistance tube
(- 30°C~105°C)

Non heat resistance
(Up to 60°C)

Standard tube
(- 20°C~60°C)

Cold resistance tube
(- 48°C~60°C)

Anti rats bite tube
(- 20°C~60°C)

※Anti rats bite ingredients mixture



PVC replacement Non halogen tube

(RoHs·REACH compliant)

※ UL Std. UL224

105°Cx600V certification

※ Flame resistance test VW-1 passed.

※ Electric Appliance and Material Safety Law F-mark acquired.

ECO-1(300V·600V) Thick type

ECO-1 Soft (300V·600V) Thin type



Corrugated tube
(RoHs compliant)

Flame resistance (P.P)

Continuous use 95°C

Non flame resistance (P.P)

Anti rats bite (P.P)

Continuous use 95°C
Endurance 20000 hours
※ Anti rats bite ingredients mixture

Heat resistance (Nylon)

Continuous use 125°C

**Orange corrugate for EV
Flame resistance (P.P)**

Continuous use 95°C

**Orange corrugate for EV
Heat resistance (Nylon) Non haloge**

Continuous use 125°C

Color variation

Black, Yellow, Red, Blue, Grey,

Black, Yellow, Red, Blue, Grey,
Green, Clear and White

Black (with or w/o gloss),
Yellow, Red, Blue, Grey, Green,
Clear, White, Orange & Silver grey
Black, Grey, Blue & Green

Grey only

Black, White, Grey
& Red

Black, White, Grey
& Red

Black, White, Dark red,
Yellow, Light yellow &
Grey

Dark

Corrugated tube size (diameter) line up

Tube type
UL tube



NH-3 UL certified heat resistance tube size

AWG	diameter (mm)		minimum thickness (mm)	minimum thickness (mm)	length (per roll)
	size	tolerance	300 V	600 V	M
9	3.0	[-0.25, 0.25]	0.44	0.56	500
8	3.3	[-0.25, 0.25]	0.44	0.56	500
7	3.7	[-0.25, 0.25]	0.44	0.56	500
6	4.2	[-0.30, 0.30]	0.44	0.56	500
5	4.7	[-0.30, 0.30]	0.44	0.56	500
4	5.3	[-0.30, 0.30]	0.44	0.56	500
3	5.9	[-0.30, 0.30]	0.44	0.56	500
2	6.6	[-0.30, 0.30]	0.44	0.56	400
1	7.4	[-0.30, 0.30]	0.44	0.56	300
0	8.3	[-0.35, 0.35]	0.44	0.56	300
5/16"	8	[-0.35, 0.35]		0.56	300
6/16"	9.5	[-0.35, 0.35]		0.56	300
7/16"	11.1	[-0.35, 0.35]		0.56	200
8/16"	12.7	[-0.35, 0.35]		0.56	200
9/16"	14.3	[-0.35, 0.35]		0.71	200
10/16"	16	[-0.40, 0.40]		0.71	150
12/16"	19	[-0.40, 0.40]		0.77	100
14/16"	22	[-0.50, 0.70]		0.77	50
16/16"	25	[-0.50, 0.70]		0.77	50

Remarks: We are pleased to prepare the tubes for your own

Tube type

Heat resistance PVC tube (H-105°C heat resistance tube)



H-105°C heat resistance tube size list

popular name	diameter (mm)		minimum thickness (mm)		length per roll (m)
	size	tolerance	size	tolerance	
φ 3.0 x 0.5	3.0	[-0.2, 0.2]	0.5	[-0.08, 0.1]	500
φ 3.5 x 0.5	3.5	[-0.2, 0.2]	0.5	[-0.08, 0.1]	500
φ 4.0 x 0.5	4.0	[-0.2, 0.3]	0.5	[-0.08, 0.1]	500
φ 4.5 x 0.5	4.5	[-0.2, 0.3]	0.5	[-0.08, 0.1]	500
φ 5.0 x 0.5	5.0	[-0.2, 0.3]	0.5	[-0.08, 0.1]	500
φ 5.5 x 0.5	5.5	[-0.2, 0.4]	0.5	[-0.08, 0.1]	500
φ 6.0 x 0.5	6.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	400
φ 7.0 x 0.5	7.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	300
φ 8.0 x 0.5	8.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	300
φ 9.0 x 0.5	9.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	200
φ 10 x 0.5	10.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	200
φ 11 x 0.5	11.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	200
φ 12 x 0.5	12.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	200
φ 13 x 0.5	13.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	150
φ 14 x 0.5	14.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	150
φ 15 x 0.5	15.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	100
φ 16 x 0.6	16.0	[-0.5, 1.0]	0.6	[-0.1, 0.1]	100
φ 18 x 0.6	18.0	[-0.5, 1.0]	0.6	[-0.1, 0.1]	100
φ 20 x 0.8	20.0	[-0.5, 1.0]	0.6	[-0.1, 0.1]	50
φ 22 x 0.8	22.0	[-1.5, 1.5]	0.6	[-0.1, 0.1]	50

Remarks: We are pleased to prepare the tubes for your own

Tube type
Standard PVC tube



Standard PVC tube size list

popular name	diameter (mm)		minimum thickness (mm)		length per roll (m)
	size	tolerance	size	tolerance	
φ 3.0 x 0.5	3.0	[-0.2, 0.2]	0.5	[-0.08, 0.1]	500
φ 3.5 x 0.5	3.5	[-0.2, 0.2]	0.5	[-0.08, 0.1]	500
φ 4.0 x 0.5	4.0	[-0.2, 0.3]	0.5	[-0.08, 0.1]	500
φ 4.5 x 0.5	4.5	[-0.2, 0.3]	0.5	[-0.08, 0.1]	500
φ 5.0 x 0.5	5.0	[-0.2, 0.3]	0.5	[-0.08, 0.1]	500
φ 5.5 x 0.5	5.5	[-0.2, 0.4]	0.5	[-0.08, 0.1]	500
φ 6.0 x 0.5	6.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	400
φ 7.0 x 0.5	7.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	300
φ 8.0 x 0.5	8.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	300
φ 9.0 x 0.5	9.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	200
φ 10 x 0.5	10.0	[-0.2, 0.4]	0.5	[-0.08, 0.1]	200
φ 11 x 0.5	11.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	200
φ 12 x 0.5	12.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	200
φ 13 x 0.5	13.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	150
φ 14 x 0.5	14.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	150
φ 15 x 0.5	15.0	[-0.3, 0.5]	0.5	[-0.08, 0.1]	100
φ 16 x 0.6	16.0	[-0.5, 1.0]	0.6	[-0.1, 0.1]	100
φ 18 x 0.6	18.0	[-0.5, 1.0]	0.6	[-0.1, 0.1]	100
φ 20 x 0.8	20.0	[-0.5, 1.0]	0.6	[-0.1, 0.1]	50
φ 22 x 0.8	22.0	[-1.5, 1.5]	0.6	[-0.1, 0.1]	50

Remarks: We are pleased to prepare the tubes for your own

Tube type

Corrugated tube: Polypropylene (Flame resistance type) (PP)

Corrugated tube: Polypropylene (Non flame resistance type) (PP)

Corrugated tube: Nylon (Flame resistance type) (PA)



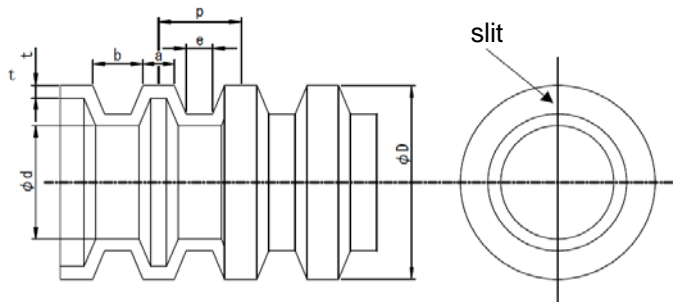
Anti rats bite tube: Polypropylene



Heat resistance orange corrugated tube: Nylon (flame resistance type)



Orange corrugated tube: Polypropylene: (flame resistance type)



Corrugated electrical conduit size

Nominal diameter	Slit		d (inner)	D (outer)	(p)	(a)	t	(b)	(e)
	N	Y							
3	N	Y	3.2±0.3	5.2±0.3	2.2	1.3	0.20	1.0	0.5
5	N	Y	5.3±0.3	7.5±0.3	2.3	1.3	0.20	1.0	0.5
7	N	Y	7.4±0.3	10.2±0.4	2.7	1.5	0.25	1.2	0.6
10	N	Y	10.7±0.3	14.1±0.4	2.7	1.5	0.25	1.2	0.6
13	N	Y	13.2±0.4	17.5±0.4	3.5	2.2	0.25	1.3	0.7
15	N	Y	15.3±0.4	19.5±0.4	3.6	2.0	0.25	1.4	0.8
19	N	Y	19.5±0.4	23.7±0.4	3.6	2.0	0.25	1.6	0.8
22	N	Y	22.3±0.4	27.1±0.4	4.3	2.4	0.30	1.9	0.8
25	N	Y	25.2±0.4	30.0±0.5	4.3	2.4	0.35	1.9	1.0
28	N	Y	28.4±0.5	33.8±0.5	4.4	2.4	0.35	2.0	0.7
32	N	Y	32.7±0.5	38.0±0.6	4.4	2.4	0.35	2.0	0.7