Accessories-Double-layer flame resistant tubing

UWS98A Series

Product feature

1.Double-layer tubing, flame resistant performance(UL94 V-0), effectively prevent the electrical sparks from flying;
2.Excel in elasticity: can pass compactness space with lesser bend radius.
3.Excellent water-resistant and flexility.
4.Super doughty wearable and higher intensity of stretch.
5.Anti-knot: better anti-knot effect than other plastic tubing;
6.No-stick clamp tubing, convenient for removing the protective layer;
7.Self-distinguishing material protective layer, effectively prevent the inner tubing;

Specification

Type [Note1]	Outer layer		Inner layer			Package Length(m)	Working Pressure at 23℃(MPa)	Burst pressure at 23℃	Bend radius (mm)	Weight per 100M(kg)	Temperature (℃)
	Tubing OD (mm)	Tubing ID (mm)	Tubing OD (mm)	Tubing ID (mm)	Wall Thickness (mm)						
UWS98A060040□□	8	1	6.0	4.0	1.00	50/100	1.0	4.0	15	2.3	-20~70
UWS98A080050□□	10	1	8.0	5.0	1.50	50/100	1.0	4.0	20	3.5	
UWS98A100065□□	12	1	10.0	6.5	1.75	50/100	1.0	4.0	25	4.8	
UWS98A120080□□	14	1	12.0	8.0	2.00	50/100	1.0	4.0	35	6.3	

[Note1] "□□" in the type column is for "color/Quantity"

Ordering code

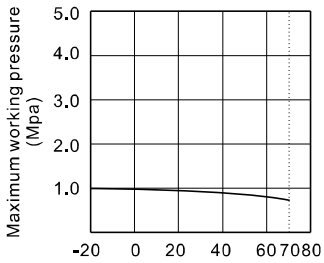
UWS98A 120 080 050M Y

1 2 3 4 5

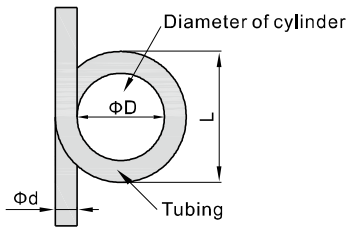
①Model	UWS98A: Double-layer flame resistant tubing
②Tubing OD	060: Φ6.0mm 080: Φ8.0mm 100: Φ10.0mm 120: Φ12.0mm
③Tubing ID	040: Φ4.0mm 050: Φ5.0mm 065: Φ6.5mm 080: Φ8.0mm
④Material length	050M: 50m/coil 100M: 100m/coil
⑤Standard color[Note2]	BU: Blue BK: Black GN: Green WH: White R: Red Y: Yellow

[Note 2]: All inner PU tubes are black

Relationship of operation pressure and temperature



Mini bend radius



The least bend radius (JIS method)
JIS method (Base on JIS B8381 standard)
When the tubing circle the cylinder tightly and the distortion rate is 25%, the cylinder radius is the least bend radius.
Testing condition : 20℃ , 65%RH
N={1-(L-D)/2d}×100
N=Distortion rate (%) , less than 25% of standard value.
d=Tubing diameter (mm)
L=Measure value (mm)
D=Diameter of cylinder (mm)