

OSNALINE® Specification for multiple lines with plastic tubes



78P MF Rev. 2

1.0 Content

The specification describes the minimum requirements for multiple lines with plastic tubes.

2.0 Design

Multiple lines contains two consecutively numbered plastic tubes with an extruded seamless outer jacket of plastics.



3.0 Standards

Tube materials:

PE-LD acc. to 78P PE-LD

PE-HD acc. to 78P PE-HD

PA 12-HIPHL acc. to 78P PA12-HIPHL

PTFE acc. to 78P PTFE

Outer jacket material:

Multiple lines are covered with an extruded seamless outer jacket of plastics, black or coloured **PVC YM3 (lead-free)** acc. to DIN VDE 0207 Part 5.

Other materials on special inquiry

PE-LD acc. to VDE 0207 Part 3, black or coloured, halogen-free, in combination with a PA tube.

4.0 Delivery form

Tube ends are capped and sealed against dust and moisture.

5.0 Quality inspection

- Dimensions
- Pressure test

6.0 Characteristics

- Protection against mechanical impacts
- Protection against external influences
- Wide temperature range
- Flexible, easy to install
- Coloured available

7.0 Application

- Pneumatic control lines for instrumentation and control technology

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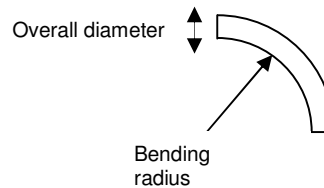
Table 1: Manufacturing range

Number of tubes and dimensions [mm] ¹⁾	Jacket thickness [mm]	Overall diameter [mm] ²⁾	Height [mm] ²⁾	Tolerance [mm] ²⁾	Weight [Kg/100m]	Packing length of delivery	
						250 m	500 m
2 x 6 x 1	1,2	14,4	8,4	+0,2 / 0	9,5	reel Ø 500mm	reel Ø 900mm
2 x 8 x 1	1,2	18,4	10,4	+0,2 / 0	13	reel Ø 500mm	-
2 x 10 x 1	1,2	22,4	12,4	+0,2 / 0	16	reel Ø 900mm	-
2 x 12 x 1	1,2	26,4	14,4	+0,2 / 0	19	reel Ø 900mm	-



Table 2: Bending

Type	permissible bending radius
Multiple line	7 x Overall diameter
Tube PE-HD, PA	6 x Tube diameter
Tube PE-LD	5 x Tube diameter



¹⁾ Differing dimensions on request.

²⁾ Values given are nominal values within the limits of normal manufacturing tolerances.