

OSNALINE® Specification for tube bundles with plastic tubes and welding beads protection

78P RB SP Rev 2



1.0 Content

The specification describes the minimum requirements for tube bundles with plastic tubes and welding beads protection.

2.0 Design

Tube bundles with welding beads protection content one or more serially numbered plastic tubes.

The stranded tubes are sheathed with a polyester foil and asphalt crepe tape as well as aluminium tape. A seamless extruded plastic jacket follows at the end.



3.0 Standards

Tube materials:

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

Other materials on special inquiry

Outer jacket material:

Single plastic tubes are covered with an extruded seamless outer plastic jacket, green or of a different colour **PVC YM3 (lead free)** acc. to DIN VDE 0207 Part 5.

Other materials on special inquiry

4.0 Delivery form

Tube ends are capped and sealed against dust and moisture.

Outer jacket printed with dimension, material and production code.

Packing and delivery length see table 1.

5.0 Quality inspection

- Dimensions
- Pressure test

6.0 Characteristics

- Tube bundles are protected against flying sparks and welding beads particularly
- Protection against mechanical impacts
- Protection against environments
- Wide temperature range
- Flexible, easy to install
- Coloured available

7.0 Application

- Control lines for instruments and control units

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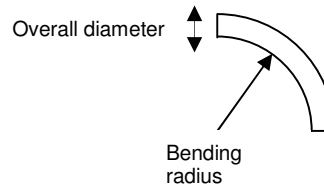
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Table 1: Manufacturing range

| Number of tubes and dimensions [mm] ¹⁾ | Jacket thickness [mm] | Overall diameter [mm] ²⁾ | Tolerance [mm] ²⁾ | Weight [Kg/100m] | Max. length [m] | Packing form |
|---------------------------------------------------|-----------------------|-------------------------------------|------------------------------|------------------|-----------------|--------------|
| 1 x 8 x 1 | 1,2 | 11 | +/-0,5 | 8 | 500/1000 | Wodden drum |
| 2 x 8 x 1 | 1,6 | 22,5 | +/-0,5 | 10 | 500/1000 | Wodden drum |
| 3 x 8 x 1 | 1,8 | 24 | +/-0,5 | 11 | 500/1000 | Wodden drum |
| 4 x 8 x 1 | 1,8 | 26,5 | +/-0,5 | 14 | 500/1000 | Wodden drum |

Table 2: Bending radius

| Type | Permissible bending radius |
|-------------|----------------------------|
| Tube bundle | 7 x Overall diameter |
| Tube PA | 6 x Tube diameter |



¹⁾ Differing dimensions on request.

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