

# 1300

## Synflex by Danfoss 1300

**Hose construction:** Inner tube: Aluminum composite  
Cover: Polyurethane

**Operating temperature:** For water-based fluids: -40 °C to +80 °C (-40 °F to +179 °F)

**Hose color(s):** Black perforated

### Benefits for customers:

- No clamps and ties required – assembly time reduction
- Combines the advantages of both metal and plastic tubing
- Tubing can be used in very wet or moist environments
- Bending of the tube does not require any tools (can be done by hand)
- Can be used inside the earth without additional protection sleeve

| Part     | Size Dimensions |           |       | Pressure               |      |                |     | Bend             |    | Weight |       |         |
|----------|-----------------|-----------|-------|------------------------|------|----------------|-----|------------------|----|--------|-------|---------|
| #        | Tube I.D.       | Tube O.D. |       | Max Operating Pressure |      | Burst Pressure |     | Min. Bend Radius |    | Weight |       |         |
|          |                 | in        | mm    | in                     | bar  | psi            | bar | psi              | mm | in     | Kg/m  | lbs./ft |
| 1300-044 | 4.32            | 0.17      | 6.30  | 0.25                   | 28.8 | 418            | 115 | 1668             | 19 | 0.75   | 0.024 | 0.016   |
| 1300-066 | 6.35            | 0.25      | 9.48  | 0.37                   | 28.8 | 418            | 115 | 1668             | 32 | 1.26   | 0.051 | 0.034   |
| 1300-086 | 9.65            | 0.38      | 12.65 | 0.50                   | 24.5 | 355            | 90  | 1305             | 50 | 1.97   | 0.069 | 0.046   |
| 1300-M06 | 4.00            | 0.16      | 6.00  | 0.24                   | 28.8 | 418            | 115 | 1668             | 19 | 0.75   | 0.024 | 0.016   |
| 1300-M08 | 5.30            | 0.21      | 8.00  | 0.31                   | 28.8 | 418            | 115 | 1668             | 25 | 0.98   | 0.039 | 0.026   |
| 1300-M10 | 6.20            | 0.24      | 10.00 | 0.39                   | 28.8 | 418            | 115 | 1668             | 32 | 1.26   | 0.058 | 0.039   |
| 1300-M12 | 8.13            | 0.32      | 12.00 | 0.47                   | 24.5 | 355            | 98  | 1421             | 40 | 1.57   | 0.075 | 0.050   |
| 1300-M14 | 9.75            | 0.38      | 14.00 | 0.55                   | 24.5 | 355            | 90  | 1305             | 50 | 1.97   | 0.096 | 0.065   |
| 1300-M15 | 10.75           | 0.42      | 15.00 | 0.59                   | 20.0 | 290            | 65  | 943              | 50 | 1.97   | 0.10  | 0.069   |

### Typical application:

- Pneumatic instrumentation and control lines located in the very wet or moist environment
- Air and gas sampling