

## Technical Data Sheet | Hydronic UFH

www.instinctproducts.co.uk

### Instinct Pro 5 Layers PE-RT EVOH Pipe (16mm x 2mm) IN-PE16120, IN-PE16240, IN-PE16300, IN-PE16500



#### Pipe Specification

Finish	Yellow
Dimensions	16mm x 2mm
Weight	-
Coil Sizes	200m and 400m
Application Class	Pressure / Temperature
1	8 Bar / 60°C
2	8 Bar / 80°C
4	4 Bar / 70°C
5	4 Bar / 95°C
Maximum working temperature	95°C
Maximum operating pressure	8 Bar
Construction	5 layer: PE-RT – Adhesive – EVOH – Adhesive – PE-RT

#### Pipe Mechanical Properties

Pipe Roughness	0.007mm
Bending Radius	5 x D = 80mm
Water Capacity	16mm x 2mm pipe: 16mm – 0.113 l/m

#### Pipe Thermal Properties

Thermal Conductivity	0.4W/mK
Thermal Expansion Coefficient	1.8 x 10 <sup>-4</sup> m/m °C
Linear Coefficient	0.026 mm/mmK

#### Standards

Manufacturing	ISO 22391 Application class 4/5
Quality Assurances	ISO 9001: 2015

#### Features

Lightweight, flexible, easy to bend and secure into place for easy installation

PE-RT pipe has an inner and outer layer of PE-RT (Polyethylene of Raised Temperature) and an EVOH (Ethylene Vinyl-Alcohol Resin) middle layer. The EVOH layer prevents oxygen penetration in a heating system which reduces corrosion within the system thus reducing premature failure of system components

#### Key Features + Benefits

**50**

Years  
Guarantee

#### Certifications + Accreditations