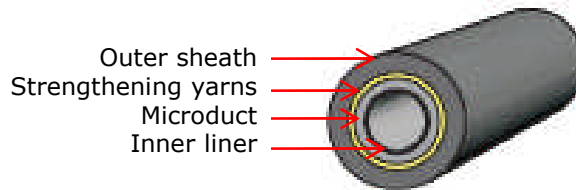


## Microduct ADSS for Aerial Installation

**Prysmian Part Numbers: See table on page 2**



The All Dielectric Self Supporting (ADSS) round shaped microduct is intended for aerial application to protect optical microduct cables or micro fibre modules.

The internal microduct is made from high density polyethylene (HDPE) with an inner liner with a low friction coefficient and profiled with fine ribs. The microducts outer surface is smooth. The microduct is reinforced with aramid yarns and covered with a HDPE outer sheath for aerial applications. The material of the outer sheath is UV stabilized and suitable for outdoor installation.

The materials used, the construction and mechanical characteristics classify the microduct as a Direct Install (DI), for installation in a pole route in the access network. The ADSS microduct does not contain dangerous chemicals in accordance to the Directive 2006/1907/EC (REACH) and the ADSS microduct meets the requirements of the Directive 2002/95/EC (RoHS) - content of lead, cadmium, mercury, Cr, PBB and PBDE.

### Features and Benefits

- Suitable for aerial applications.
- ADSS non-metallic construction, no earthing required.
- HDPE sheath - UV stabilized, weather resistant..
- Supplied in a 2km length.
- Meets the requirements of REACH and RoHS directives.
- Optional: A pulling cord pre-installed in the microduct

### Kit Contents

ADSS reinforced microduct on disposable drum.

### Additional Items

- None

## Technical Data

### ADSS reinforced microduct:

• Total outer diameter	8 ± 0.1 mm
• Thickness of outer sheath	nom. 1.5 mm
• Tensile force	max. 1000 N
• Bending radius	min. 120 mm
• Weight	nom. 39 kg/km
• Temperature range:	
Transport & storage:	-40°C - +70°C
Installation:	-10°C - +50°C
Operation:	-40°C - +70°C

### Microduct 5/3.5 mm:

• Outer diameter of microduct (OD)	5 ± 0.1 mm	
• Inner diameter of microduct (ID)	min. 3.4 mm	
• Wall thickness of microduct (WT)	min. 0.7 mm	
• Ovality	max 5%	
• Crush resistance	250 N/10cm	min. 85% of inner diameter, 60 s, 20°C
• Inner friction coefficient	max. 0.1	
• Blowing pressure	max. 16 bar	max. 2 hours at max. +50°C.
• Recommended cable dimensions	up to 2.5 mm (for blowing)	

## Logistics

• Marking (every meter): Prysmian – ADSS - microduct type – batch code – length in m

• Drum information:

The ADSS microduct is wound on disposable drum (MTB type) and the coil is wrapped by stretch film.

Microducts ends are protected by plastic caps. End of bundle is minimally 10 mm under the flange edge.

MTB flanges are regularly made from chipboard and have to be protected from moisture.

Option - MTB flanges can be made from Oriented Strand Board (OSB) which is waterproof.

MTB core diameter is 415 mm.

All drum dimensions are nominal values.

Drum type MTB3

Flange diameter (mm)	Drum width (mm)	Shaft hole diameter (mm)	Winding length (m)	Weight of full drum with chipboard flanges (kg)
900	640	65	2000	96

Aerial microduct	Sheath colour	Standard length	Pull cord	Part number
ADSS 5/3.5 mm	Black	2000 m	No	<b>XBFSC01415</b>
ADSS 5/3.5 mm	Black	2000 m	Yes	<b>XBFSC01556</b>

Please contact your local sales office listed on [www.prysmiangroup.com](http://www.prysmiangroup.com)

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