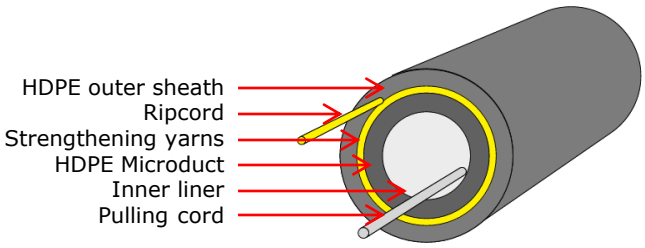
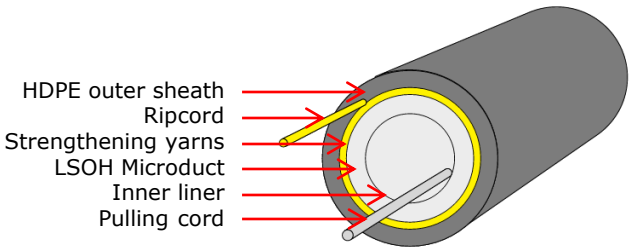
Microduct ADSS for Aerial Installation

Prysmian Part Numbers: See below



HDPE ADSS microduct



LSOH ADSS microduct

The All Dielectric Self Supporting (ADSS) round shaped microduct is intended for aerial application to protect optical microduct cables or micro fibre modules. The microduct is reinforced with aramid yarns and covered with a HDPE outer sheath for aerial application. Under the outer sheath a ripcord is applied. The material of the outer sheath is UV stabilized and suitable for outdoor installation.

HDPE microduct ADSS:

The internal microduct is made from black 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 pre-installed with a pulling cord.

LSOH microduct ADSS:

The internal microduct is made from white flame retardant LSOH material with an inner liner with a low friction coefficient and profiled with fine ribs. The microducts outer surface is smooth. The microduct is pre-installed with a pulling cord.

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 with spans up to 100 meters.
- ADSS non-metallic construction, no earthing required.
- HDPE microduct has a low friction coefficient and is pressure, crush and impact resistant according to EN standards.
- LSOH microduct is flame retardant, low smoke, non-corrosive and halogen free according to UL94 V0, EN and IEC standards.
- HDPE sheath - UV stabilized, weather resistant.
- Supplied in a 6 km length.
- Meets the requirements of REACH and RoHS directives.

Kit Contents

ADSS reinforced microduct on disposable drum.

Technical Data

ADSS reinforced microduct:

• Total outer diameter	8 ± 0.3 mm	
• Aerial tensile data	EDS (Every Day Strength)	780 N
	MWT (Maximum Working Tension)	1250 N
	UTS (ultimate Tension Strength)	3140 N
• Bending radius	min. 80 mm	
• Weight	nom. 45 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 material and size – 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.

All drum dimensions are nominal values.

Drum type MTB8

Flange diameter	**Drum width**	**Shaft hole**	**Winding length**	**Weight of full drum**
(mm)	(mm)	(mm)	(m)	(kg)
1030	640	65	6000	295

Aerial microduct	**Microduct**	**Sheath colour**	**Standard length**	**Part number**
ADSS 5/3.5 mm HDPE	HDPE Black	Black	6000 m	**XBFSC01936**
ADSS 5/3.5 mm LSOH	LSOH White	Black	6000 m	**XBFSC01937**

Please contact your local sales office listed on **www.prysmiangroup.com**