

10015746 - LSZH Fibre In Duct LC/APC Venturi - Pigtail

Product Overview

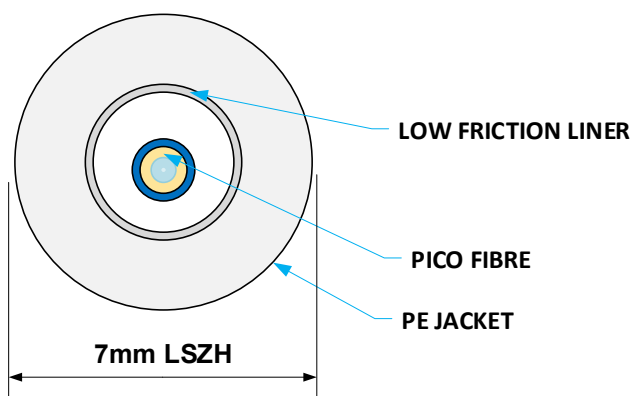
Fibre in duct assembly with an LC/APC Venturi connector on end and un-terminated at the other. The 6/4mm LSZH microduct is safe for use indoors and the white colour provides a discreet appearance. The inner fibre construction includes aramid yarn for increased retention.

Features

- LSZH MDPE
- FTTP Fibre Pre-Loaded Microduct
- Increased tensile strength inner fibre
- White unobtrusive appearance
- G657.A2 bend insensitive fibre
- LC/APC Venturi connector

Application

Internally rated customer fibre in duct drop cable assembly suitable for deployment MDUs



Technical Specification

Parameter	Performance	Specification
Connector	LC APC	IEC Interface Standard – Green
Ferrule	Zirconia Ferrule	LC Singlemode 1.25mm OD
Connector Boot		3mm Green
Optical Performance		
Insertion Loss (Max)	$\leq 0.25\text{dB}$	IEC 61300-3-4 (1310nm & 1550nm) Meth. B
Insertion Loss (Mean)	$< 0.12\text{dB}$	IEC 61300-3-4 (1310nm & 1550nm) Meth. B
Repeatability/Durability	$\pm 0.2\text{dB}/500$ Matings	IEC 61300-3-6
Return Loss (Back)	APC $> 60\text{dB}$	IEC 61300-3-6 method 1 or equivalent
End Face Geometry	Radius, Apex	IEC 61755-2-1
Visual	Standard	X200 Magnification
Materials		
Connector	Stainless Steel	SUS316
Optical Fibre	ITU-T G.657.A2	
Dust Cap	Plastic Cap	Clear
Mechanical		
Fibre Retention	$\geq 15\text{N}$	Approved Epoxy: Epotec 353ND or Resin Tech RT153

Insertion Loss (Random Mating Performance) shall be as follows	
Maximum > 97%	$\leq 0.25\text{ dB}$
Mean	$\leq 0.12\text{ dB}$
Return Loss (RL)	$\geq 55\text{ dB}$ (unmated) $\geq 60\text{ dB}$ (mated)
Polished Angle	8 degrees
Scratches $< 1\mu\text{m}$ in core zone	< 4
Reference – Attenuation Random Mated IEC 61300-3-34	

Cable Construction			
Items		Specification	Remark
Optical Fiber	Fiber Type	i) SMF G.657A2	ITU-T G.657
		ii) SMF G.657B3	
	Color	Natural	
Strength Member	Material	Aramid yarn	
	Diameter	$1.1 \pm 0.2\text{mm}$	
Jacket	Thickness	Nom. 0.25mm	
	Material	LSZH PO	
	Color	White	
Approx. buffer weight (Net.)		1.2 kg/km	

Cable Characteristics			
Parameter		Specification	Remark
Mechanical	Maximum Tensile load	40N	IEC 60794-1-21 E1
	Crush resistance	150N / 5cm	IEC 60794-1-21 E3
	Impact resistance	0.74 N.m	IEC 60794-1-21 E4
	Minimum Bend radius	20 x O.D	IEC 60794-1-21 E11
	Temperature Range	-20 ~ +70	IEC 60794-1-22-F1
Environmental	Flame retardant	CPR Class E _{ca}	IEC 60332-1-2

Duct Specification	
Product Color	White
Material	LSZH HDPE
Temperature, Operation [°C]	-15 to +90
Temperature, Storage [°C]	-15 to +90
Temperature, Installation [°C]	-15 to +90
Tensile Force, Installation (N)	250
Conformance	
Abrasion	IEC 60794-1-21-E2B(1)
Kink	IEC 60794-1-21-E10,
Impact	IEC 60794-1-21-E4
Crush	IEC 60794-1-21-E3
Bend	IEC 60794-1-21-E11A
Torsion	IEC 60794-1-21-E7
Inner Clearance	IEC 60794-1-21-E123, IEC 60794-5-10, Ann. D

Ordering Information

Part Number	Description
ISCVM-D7W-1-ALV-PIG-025M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 25M
ISCVM-D7W-1-ALV-PIG-050M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 50M
ISCVM-D7W-1-ALV-PIG-075M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 75M
ISCVM-D7W-1-ALV-PIG-100M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 100M
ISCVM-D7W-1-ALV-PIG-125M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 125M
ISCVM-D7W-1-ALV-PIG-150M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 150M
ISCVM-D7W-1-ALV-PIG-175M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 175M
ISCVM-D7W-1-ALV-PIG-200M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 200M
ISCVM-D7W-1-ALV-PIG-225M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 225M
ISCVM-D7W-1-ALV-PIG-250M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 250M
ISCVM-D7W-1-ALV-PIG-275M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To PIG-TAIL 275M