

10015741 - Fibre In Duct LSZH LC/APC VENTURI – LC/APC VENTURI

Product Overview

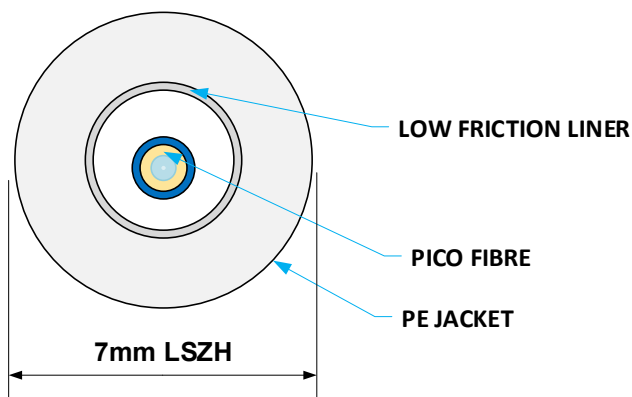
Fibre in duct assembly with an LC/APC Venturi connector on both ends. The 6/4mm LSZH microduct is safe for use indoors and the white colour provides a discreet appearance. The inner fibre construction includes aramid yarn for increased retention.

Features

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

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)	≤0.25dB	IEC 61300-3-4 (1310nm & 1550nm) Meth. B
Insertion Loss (Mean)	<0.12dB	IEC 61300-3-4 (1310nm & 1550nm) Meth. B
Repeatability/Durability	±0.2dB/500 Matings	IEC 61300-3-6
Return Loss (Back Reflection)	APC>60dB	IEC 61300-3-6 method 1 or equivalent
End Face Geometry	Radius, Apex Offset, Height	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	≥ 15N	Approved Epoxy: Epotec 353ND or Resin Tech RT153

Insertion Loss (Random Mating Performance) shall be as follows	
Maximum > 97%	≤ 0.25 dB
Mean	≤ 0.12 dB
Return Loss (RL)	≥ 55 dB (unmated) ≥ 60 dB (mated)
Polished Angle	8 degrees
Scratches < 1µm 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 ± 0.2mm	
Jacket	Thickness	Nom. 0.25mm	
	Material	LSZH PO	
	Color	White	
Approx. buffer weight (Net.)		1.2 kg/km	

Cable Characteristics			
Parameter		Specification	Remark
	Maximum Tensile load	40N	IEC 60794-1-21 E1
	Crush resistance	150N / 5cm	IEC 60794-1-21 E3
Mechanical	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-ALV-010M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To LC/APC 10M
ISCVM-D7W-1-ALV-ALV-025M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To LC/APC 25M
ISCVM-D7W-1-ALV-ALV-050M	Internal 7/4mm White LSZH Pre Installed G657.A2 Cable - LC/APC To LC/APC 50M