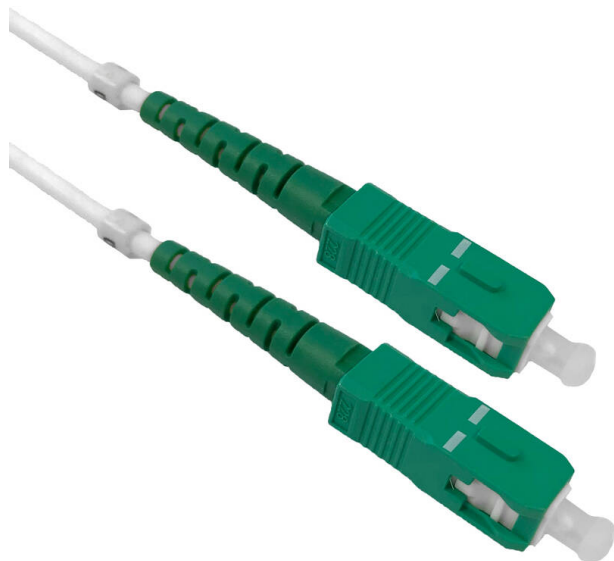


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✘ Internal application

✘ LS0H sheath

✘ Multiple sizes available

✘ Crush and Impact resistant

✘ G657.B3 Bend insensitive

✘ RoHS compliant

✘ CIBSE TM65 Embodied Carbon: 0.074 kg CO2e

## Product Overview

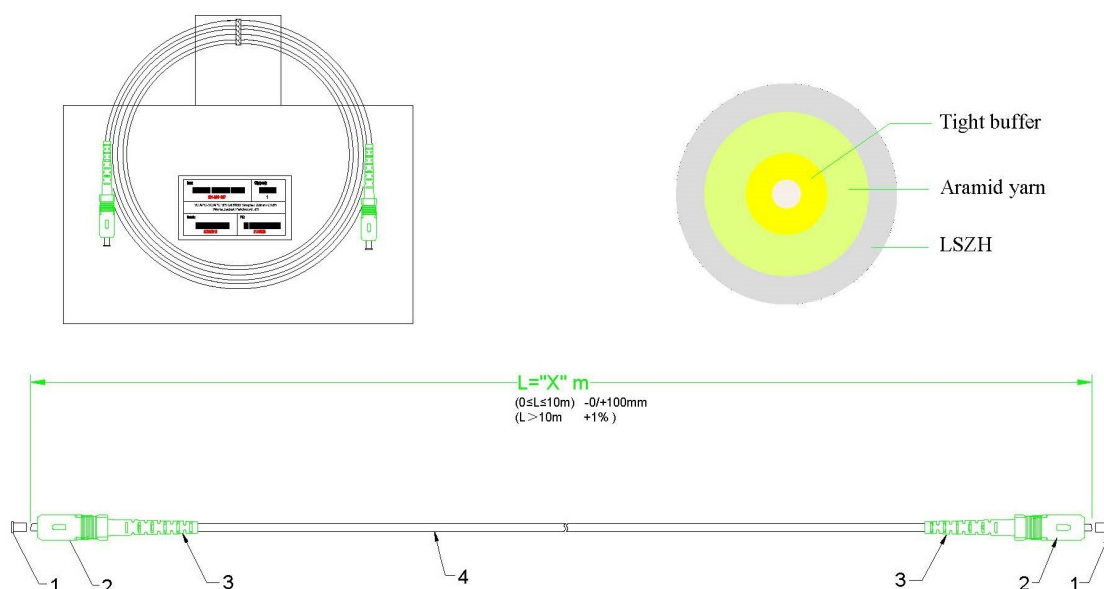
Enbeam white SC/APC patch leads have been designed for us in the FTTH market as a subscriber connection. The 2.8 mm lead offers a high bend radius and high crush resistance to withstand the home environment whilst offering a neutral colour within the premises.

## Product Specifications

Feature	Values
Fibre type	Single mode
Category	OS2
Number of Cores	1
Cable type	Simplex
Length	0.5 m
Type of connector connection 1	SC
Type of connector connection 2	SC
Outer sheath colour	White

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### Product drawing



### Additional specifications

Features	Values	
Insertion loss	@1310nm/1550nm	$\leq 0.2\text{dB}$
Attenuation	@full spectrum	$\leq 0.4\text{dB}$
Dispersion coefficient	@1310nm	$\leq 3.0\text{ps (nm.km)}$
	@1550nm	$\leq 18\text{ps (nm.km)}$
Strength member	Aramid yarn	
Max tension	short term	150 N
	long term	80 N
Max bend radius	short term	10 mm
	long term	5 mm
Crush resistance	500 N/100 mm <sup>2</sup>	
Temperatures	operating	-20°C to 70°C

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## Standards

Applicable standard	Detail
BS EN 60332-1-2:2004+A11:2016	Tests on electric and optical fibre cables under fire conditions - Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame
IEC 60793-1-1:2022	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance
IEC 60793-2:2015	Optical fibres - Part 2: Product specifications - General
IEC 60793-2-10:2017	Sectional specification for A1 multimode fibres
IEC 60793-1-20:2014	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry
IEC 60793-1-21:2001	Optical fibres - Part 1-21: Measurement methods and test procedures - Coating geometry
IEC 60793-1-22:2001	Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement
IEC 60793-1-30:2010	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test
IEC 60793-1-31:2010	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile Strength
ITU-T G.652:2016	Characteristics of a single-mode optical fibre and cable
ITU-T G.657:2016	Characteristics of a bending-loss insensitive single-mode optical fibre and cable
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements
EN 50173-2:2007 + A1:2010	Information technology. Generic cabling systems - Office premises
IEC 61754-1:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance
IEC 61754-2:1996	Fibre optic connector interfaces - Part 2: Type BFOC/2,5 connector family
IEC 61754-4:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4: Type SC connector family
IEC 61754-4-100:2015	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces
IEC 61754-4-100:2015	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part

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	4-100: Type SC connector family - Simplified receptacle SC-PC connector interfaces
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
RoHS-II/-III (2011/65/EU & 2015/863): 2023	Our products, demonstrate full adherence to the regulatory stipulations of the EU Directive 2011/65/EU (RoHS-II) and its corresponding delegated directive 2015/863 (RoHS-III).
WFD: 2023	Compliant to Waste Framework Directive
SCIP: 2023	Compliant - Does Not Contain Substances of Concern In articles as such or in complex objects (Products)
POPs (EU) No 2019/1021	EU Regulation for the restriction of Persistent Organic Pollutants.

### Part Number Table

Part Number	Description
201-219	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.B3 SC/APC-SC/APC SM 9/125 SX LS0H White 0.5 m
201-220	Excel Enbeam OS2 Fibre Optic Patch Lead G.657.B3 SC/APC-SC/APC SM 9/125 SX LS0H White 1 m

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

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