Excel Enbeam Single Mode Grade B/1 G.657.A2 1:16 Open to 16 LC/APC 1 m

Part Code: 904-016

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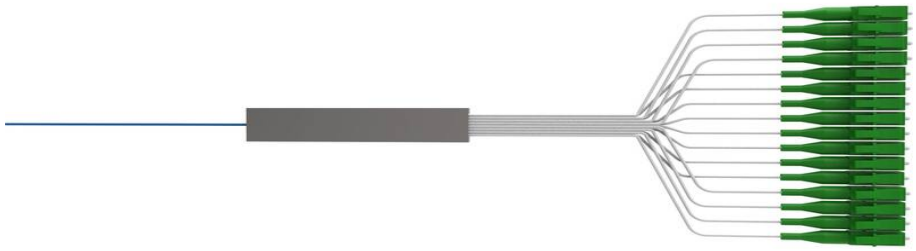

Main Features

- / 25 year system warranty
- / Low insertion loss
- / Compact design
- / Plastic free packaging

Product Overview

The Enbeam Planar Lightwave Circuit (PLC) splitter is fabricated using silica optical waveguide technology. Its compact size, high reliability, wide operating wavelength and good channel-to-channel uniformity is widely used in Passive Optical Networks (PON).

Product Specifications

Feature	Values
Material	**Metal**

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Additional specifications

Features	Values
Ferrule type	**APC 8°**
Connector color	**Green**
Boot color	**Green**
Input length	**1.5 m**
Output length	**1 m**
Input colour	**Blue**
Output colour	**White**
Insertion loss (P grade)	**13.7 dB**
Return loss	**≥55 dB**
Uniformity	**≤0.8 dB**
PDL	**≤0.30 dB**
Directionality	**≥55 dB**
Apex offset	**0.50 μm**
Fiber height	**±100 nm**
APC angle	**8°±0.25°**
Radius of curvature	**5-12 mm**
Ferrule concentricity	**0.3 μm**
Temperature stability	**-40°C 85°C (≤0.5 dB)**
Operating temperature	**-40°C 85°C**
Storage temperature	**-40°C 85°C**
Outer diametre	**0.9 mm±0.05 mm**

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Material	**Hytrel**
Outer sheath thickness	**0.3±0.05 mm**
Buffer type	**Easy strip (Strip length >1 m)**
Fiber type	**SM G.657.A2**
Fiber brand	**YOFC**
Fiber color	**Input blue/Output white**
Bending radius	**10D**

Standards

Applicable standard	Detail
IEC 61754-1:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance
ISO/IEC 11801-1:2017	Information technology - Generic cabling for customer premises: Part 1 General Requirements
EN 50173-1:2018	Information technology. Generic cabling systems - General requirements
Directive 2011/65/EU (RoHS II)	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states).
Directive (EU) 2015/863 (RoHS III)	Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.
WFD	Compliant to Waste Framework Directive
SCIP	Compliant - Does Not Contain Substances of Concern in Products
Directive 2008/98/EC (WFD)	Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).

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ECHA SCIP Database	Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.
Regulation (EU) 2019/1021 (POPs)	EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).
UK SI 2012 No. 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019.

Part Code Table

Part Code	Description
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