



✗ 25 year system warranty

✗ Compact design

✗ Low insertion loss

✗ 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

## 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
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
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	Compliant to Waste Framework Directive
SCIP	Compliant - Does Not Contain Substances of Concern in Products

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
904-016	Excel Enbeam Single Mode Grade B/1 G.657.A2 1:16 Open to 16 LC/APC 1 m

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