

# Excel Enbeam 1x 16 Open-Ended PLC Splitter

Item Code: 208-903

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without compromise.

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✕ Compact design

✕ Low insertion loss

✕ Operating wavelength from 1260nm to 1650nm

✕ 25 Year System Warranty

## 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).

Excel provides whole series of 1xN splitter products that are tailored for specific applications. All products meet GR-1209-CORE and GR-1221-CORE requirements.

## Product Specifications

Feature	Values
Material	Metal (housing)
Colour	Silver
Ambient temperature	-40...85 °C

## Additional specifications

Features	All	1x4	1x8	1x16	1x32
Operating wavelength	1260 to 1650 nm				
Fibre type	G657A2				
Temperature stability (dB)	(-40°C to 85°C)	≤0.4	≤0.4	≤0.5	≤0.5
Storage temperature	-40°C to 85°C				
Return loss	≥55 dB				

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Directivity	>55 dB				
Wavelength dependent Loss (dB)		0.3	0.3	0.3	0.5
Insertion loss P/S Grade (dB)		7.2/7.4	10.3/10.7	13.5/13.7	16.5/16.9
Maximum power handling	500 mW				

## Additional specifications

Features	1x4	1x8	1x16	1x32
Loss Uniformity (dB)	0.6	0.8	1	1.5
Polarization Dependent Loss (dB)	0.1	0.1	0.2	0.25

## Standards

Applicable standard	Detail
RoHS	Compliant to the Restriction of Hazardous Substances
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
WFD	Compliant to Waste Framework Directive
SCIP	Compliant - Does Not Contain Substances of Concern in Products

## Part Number Table

Part Number	Description
208-901	Excel Enbeam 1x 4 Open-Ended PLC Splitter
208-902	Excel Enbeam 1x 8 Open-Ended PLC Splitter
208-903	Excel Enbeam 1x 16 Open-Ended PLC Splitter
208-904	Excel Enbeam 1x 32 Open-Ended PLC Splitter

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

Contact us at [websales@cableintelligence.co.uk](mailto:websales@cableintelligence.co.uk)



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