

Excel Enbeam 1x 8 Open-Ended PLC Splitter

Item Code: 208-902

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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 |

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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



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