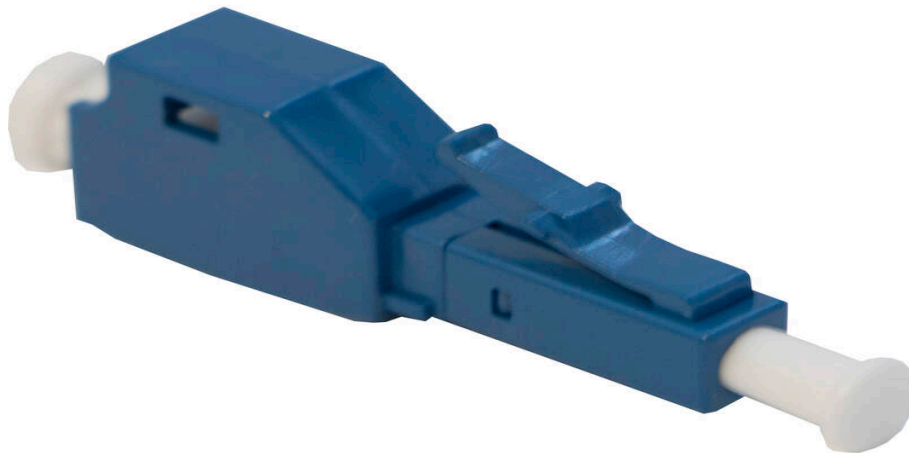


# Excel Enbeam LC Singlemode 5dB Attenuator

Part Code: 208-564

sales@excel-networking.com  
excel-networking.com

CIBSE TM65 Embodied Carbon: 0.009 kg CO2e



## Main Features

- / Compact design
- / Available in SC/APC, SC/UPC, LC/UPC and LC/APC
- / 25 Year system warranty
- / Easy to connect/ disconnect
- / Available in fixed attenuation values of 1/2/5/10/15/20 dB
- / CIBSE TM65 Embodied Carbon: 0.009 kg CO2e

## Product Overview

The Excel Enbeam Fixed value attenuators are used to match signal power to receiver dynamic range in optical networks. The Excel range of singlemode high performance devices are designed to give accurate attenuation over a wide range of wavelengths.

The plug type configuration allows easy to use functionality 'straight out of the box'. This allows connection directly to the fibre patch cord, for insertion onto the adaptor.

## Product Specifications

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Feature	Values
Signal attenuation	5 dB
Ambient temperature	-40...75 °C
Fibre type	Single mode 9/125
Connector connection 1	LC

## Additional specifications

Features	Values
Ferrule Type	Zirconia Ceramic
Operating Wavelength (nm)	1310nm, 1550nm
Attenuation accuracy 1-5 dB	±0.5dB
Attenuation accuracy 10 dB	±0.75dB
Attenuation accuracy 15-20 dB	±10% overall dB
Return loss (UPC)	≥55dB
Return loss (APC)	≥65dB
Mating Durability	≥1000 cycle
Housing	Zinc Alloy

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## Product drawing



## Standards

Applicable standard	Detail
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.
IEC 61754-1:2013	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance
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).
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

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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
208-562	Excel Enbeam LC Singlemode 1dB Attenuator
208-563	Excel Enbeam LC Singlemode 2dB Attenuator
208-564	Excel Enbeam LC Singlemode 5dB Attenuator
208-565	Excel Enbeam LC Singlemode 10dB Attenuator
208-566	Excel Enbeam LC Singlemode 15dB Attenuator
208-567	Excel Enbeam LC Singlemode 20dB Attenuator
208-568	Enbeam LCA singlemode 1db attenuator
208-569	Excel Enbeam LCA Singlemode 2dB Attenuator
208-570	Excel Enbeam LCA Singlemode 5dB Attenuator
208-571	Excel Enbeam LCA Singlemode 10dB Attenuator
208-572	Excel Enbeam LCA Singlemode 15dB Attenuator
208-573	Excel Enbeam LCA Singlemode 20dB Attenuator
208-574	Enbeam LC/UPC Singlemode 3 dB Attenuator
208-575	Enbeam LC/UPC Singlemode 7 dB Attenuator