

LC Premium Connector

Precise, Machine free tuning



0.15 LC Premium
Low Loss SM
dB **Grade A**

0.25 LC Premium
SM
dB **Grade B**



Features

- Innovative square flange design to avoid the rotation and reduce insertion loss
- Machine free tuning process
- Premium Low Loss SM to meet IEC 61753-1 Grade A random mating requirement of Max 0.15dB.
- Premium SM to meet IEC 61753-1 Grade B random mating requirement of Max 0.25dB

Applications

- Data communication
- Tele communication
- FTTx deployments
- Optical measurement instruments
- 4G/LTE, 5G Base station
- CATV

Features Comparison Chart

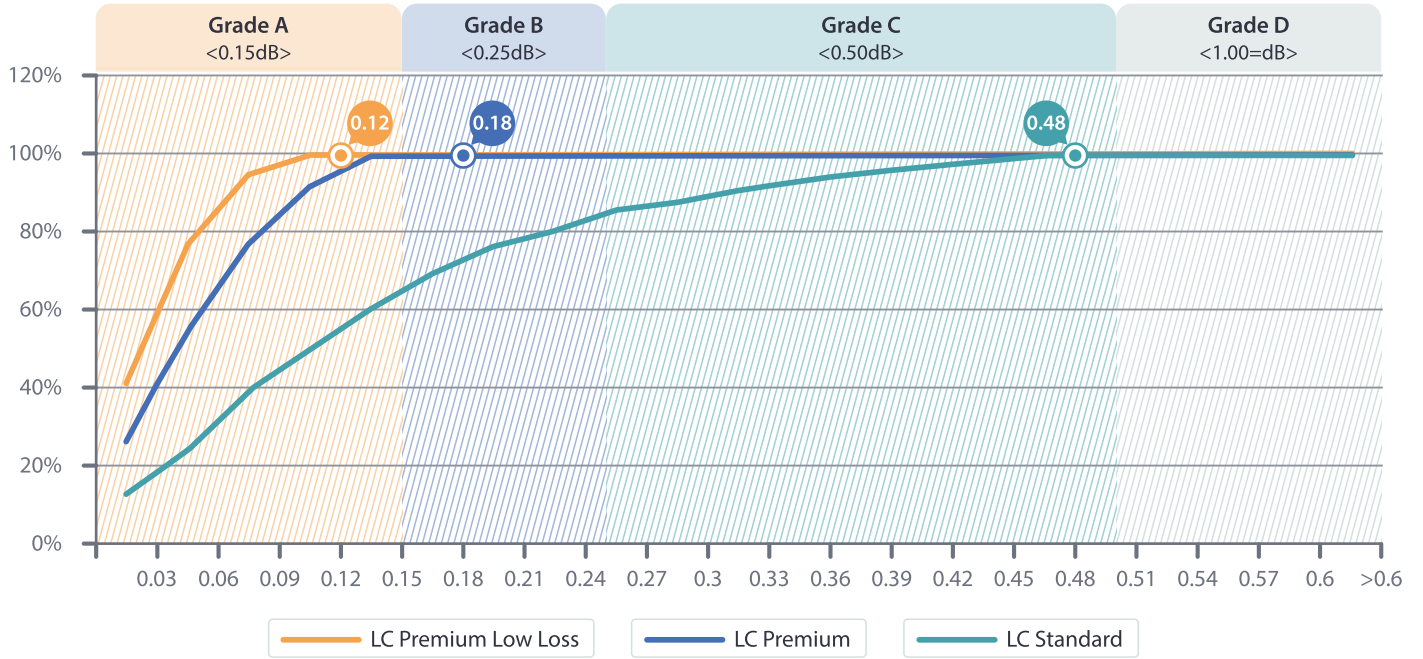
Features		LC Premium Low Loss SM	LC Premium SM	LC Standard SM
IL Mean Value Random Mating		0.07dB	0.12dB	0.25dB
IEC 61753-1	IEC Random Mating Grade A ≤ 0.15dB max for >97% of sample	★		
	IEC Random Mating Grade B ≤ 0.25dB max for >97% of sample	★	★	
	IEC Random Mating Grade C ≤ 0.50dB max for >97% of sample	★	★	★
	Innovative square flange design	★	★	
Standard hexagon flange design				★
Machine free tuning process		★	★	



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Random Mating Insertion Loss

Acon Optics' range of connectors classification empowers our customers to make the correct decision in selecting the right connectors for their needs



Attenuation Grade	Attenuation Random Mating IEC 61753	
Grade A	≤ 0.07dB mean	≤ 0.15dB max for >97% of sample
Grade B	≤ 0.12dB mean	≤ 0.25dB max for >97% of sample
Grade C	≤ 0.25dB mean	≤ 0.50dB max for >97% of sample
Grade D	≤ 0.50dB mean	≤ 1.0dB max for >97% of sample

Coupling Options

 LC Premium Standard 0.9 Grade A 0.15dB Grade B 0.25dB	 LC Premium Standard 2.0 Grade A 0.15dB Grade B 0.25dB	 LC Premium Unibody 0.9 Grade A 0.15dB Grade B 0.25dB	 LC Premium Unibody 2.0 Grade A 0.15dB Grade B 0.25dB
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