

Application

- Long haul transmissions saving costs for signal amplification
- Low loss budget transmissions
- Transmissions where uniform channel losses are required
- replacement of splices by keeping the same loss level



Parameters

Untuned	Tuned
<p>Key</p> <p>• $F \leq 0.0012$</p> <p>Insertion Loss $\leq 0.3\text{dB}$</p>	<p>Key</p> <p>• $F \leq 0.0012$ • $G \leq 0.0003$ • $H \leq 50$</p> <p>Insertion Loss $\leq 0.1\text{dB}$</p>
<p>Connector quantity</p> <p>average: 0.15dB</p>	<p>Connector quantity</p> <p>average: 0.06dB</p>

Compatibility

- all connectors are tuned
- fiber according to ITU-T G.652
- premium ferrule with low eccentricity

Note: 0.1 dB assemblies have max. losses lower than the accuracy of today's field measurements: measurement equipment (power meter/OTDR) and measurement set-up, reference cables and adaptors, environmental conditions and dirt easily cause measurement uncertainties of $>0.2\text{dB}$. Reliable and reproducible measurements below 0.1dB are possible only in laboratory conditions.

