

## 62.5/125 (OM1) Optical Fibre Patchcords

Optical Fibre patchcords are a defining factor in ensuring your network performs to the highest level.

A patchcord can be split into three key components;

- the connector
- the cable
- the manufacturing process.

These three areas all contribute to the performance of a patchcord, but it is the



manufacturing process that defines the performance of the assembly. Whilst the cable and connectors used in Black Box optical fibre patchcords are the best available, it is our expertise in production that sets our products apart.

Black Box has 15 years experience in

manufacturing fibre optic cable assemblies from using Biconic and SMA through to ST, SC to today's Small Form Factor (SFF) connectors like the LC, MU or MT-RJ. If you have a fibre network, no matter what the technology, Black Box can offer you a solution.



- Multimode & Singlemode applications ST/SC/FC/LC/E2000/MU Connector types
- Ultra polish & Angle polish options available all terminations are manufactured to exceed performance parameters set by industry standards
- Tyco AMP approved UK manufacturing facility
- Fast turn around of non-standard requirements
- Full tracability & test certification supplied with each assembly
- 900µm tight buffered fibre optic cable

### Patchcord Specification

#### Mechanical

Length: 1m to 10m ± 10mm  
Other lengths available to order

Split Length (Duplex): 150mm ± 5mm

#### Product Packaging

Each patch cord is packaged individually and individually identified for traceability, test certification is supplied for each assembly.

### Optical fibre and cable performance

#### Attenuation (dB/km)

(850/1300) 2.8/0.8

#### Bandwidth (MHz.Km)

(850/1300) 200/500

#### Sheath colour

Yellow

#### Strength Members

Aramid strength members

#### Fire Performance

LSZH for Internal/External Applications  
Flame Resistance IEC 60332-1

### Connector Specification

#### Optical Performance (Multimode)

Insertion loss: Max. 0.3 dB Typical 0.2 dB

#### Optical Performance (MT-RJ)

Insertion loss: Max. 0.5 dB

#### Operating Temperature

-40°C to +85°C

Intermateability Optically and mechanically compatible with all equivalent connectors.

Compliant with IEC 874-14.

For full information on the Optronics connectors used on the Black Box patch cords, please contact the address below for a connector data sheet.

### Ordering Information

