FIBRE OPTIC / PATCH CABLES

Fibre patch cables

Made-to-order patch leads for cabinet, frame and equipment connection, built to the exact length you specify.

Simplex, duplex, ruggedised | Custom colours | UPC and APC polish | Factory tested

Any length	**3** configurations	**5** styles	**Tested**
Custom, no standard-size limit	Simplex, duplex, ruggedised	LC, ST, SC, FC, LC Uniboot	Every lead individually tested

Overview

Made to order patch leads for cabinet, frame and equipment connection. Because we build rather than repack, you choose the length.

- **Exact lengths** instead of rounding up to the nearest stock size.
- **Custom colours** for jackets and connector boots.
- **UPC and APC** polish options.
- **Factory tested** individually before despatch.

Specifications

Configurations	**Simplex, duplex, ruggedised duplex**
Fibre grades	**Singlemode (OS2), OM1, OM3, OM4**
Connectors	**LC, ST, SC, FC, LC Uniboot**
Polish	**UPC and APC**
Lengths	**Custom, no standard-size restriction**
Colours	**Custom jacket and connector boot colours**
Testing	**Individually factory tested**

Choosing a configuration

Simplex

Single-fibre lead

- **1 fibre**
- Fibre grades OS2, OM1, OM3, OM4
- UPC or APC polish

Duplex

Standard patch lead

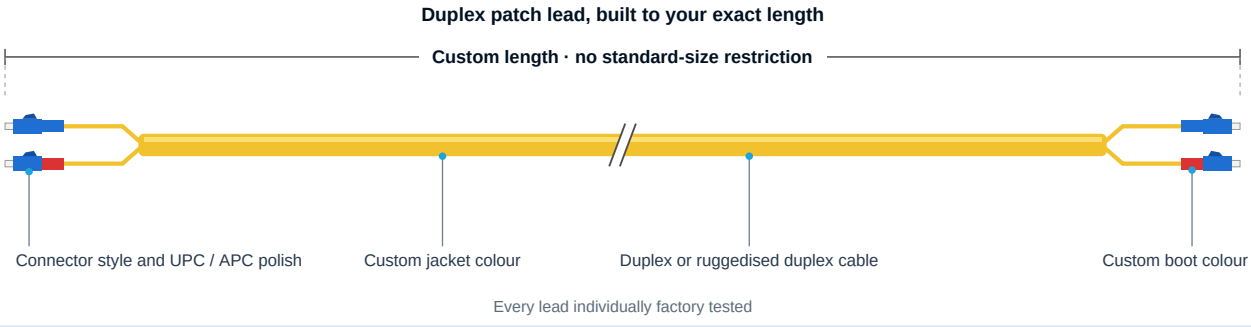
- **2 fibres**
- 2.8 mm × 6 mm cable
- 300 N tensile · 1000 N crush

Ruggedised duplex

Tougher patch cable

- **2 fibres**
- 3.8 mm × 6.6 mm cable
- 2000 N/100 mm crush

Built to your exact length



Typical applications

Data centres | Telecommunications

Made to order, from one assembly upwards

Send a drawing, sketch or sample for a quote. Own-scheme labelling for trade partners.

qadnetworks.co.uk

QAD Networks Ltd
25 Bowlers Croft, Basildon, Essex, SS14 3DX
British-manufactured cable assemblies since 2009

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Specification by cable type

Specification	Standard patch lead duplex	Ruggedised singlemode	Ruggedised multimode
Configuration	**Duplex**	**Ruggedised duplex**	**Ruggedised duplex**
Cable diameter	**2.8 mm × 6 mm**	**3.8 mm × 6.6 mm**	**3.8 mm × 6.6 mm**
Buffered fibre diameter	**–**	**0.9 mm**	**0.9 mm**
Cable weight	**–**	**29 kg/km**	**29 kg/km**
Tensile load	**300 N**	**200 N (long term)**	**400 N (long term)**
Crush resistance	**1000 N**	**2000 N/100 mm**	**2000 N/100 mm**
Min bend radius, unloaded / static	**30 mm**	**40 mm**	**40 mm**
Min bend radius, loaded / dynamic	**60 mm**	**60 mm**	**60 mm**
Torsion	**–**	**5 turns/m**	**5 turns/m**
Impact resistance	**–**	**5 Nm**	**5 Nm**
Operating temperature	**−20 °C to +60 °C**	**−10 °C to +70 °C**	**−10 °C to +70 °C**

Crush figures for ruggedised cable apply to both long-term and short-term loading. – = not specified.

Fibre performance

Type	Core / clad µm	Fast Ethernet 100Mb	Gigabit GbE	10 Gigabit 10GbE	40 Gigabit 40GbE	100 Gigabit 100GbE	40G SWDM4	100G SWDM4
Multimode OM1	**62.5/125**	2 km	275 m	33 m	–	–	–	–
Multimode OM3	**50/125**	2 km	800 m	300 m	100 m	100 m	240 m	75 m
Multimode OM4	**50/125**	2 km	1100 m	400 m	150 m	150 m	350 m	100 m
Singlemode OS2	**9/125**	40 km	100 km	40 km	40 km	40 km	–	–

Supported link distance by application. – = not supported.

Options, testing and ordering

Options and customisation

Choose simplex, duplex or ruggedised duplex, your fibre grade and connectors, UPC or APC polish, and the jacket and boot colours you need.

Testing and documentation

Every patch lead is individually factory tested before despatch.

Ordering

We build to order for businesses and individual customers, from a single assembly upwards. Trade partners can have assemblies labelled to their own scheme.

Send us a drawing, a sketch or a sample

We quote against it, whether for one assembly or a thousand. Special requirement? Ask us.

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