

# Optical Digital Cable

Cables Matter No.1

## QED Performance Optical Digital

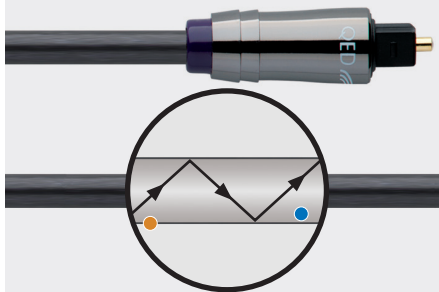
The new, award winning 'Performance Graphite' Optical cable utilises the superior PMMA acrylic glass optical fibre previously only available in our 'Reference' range products.

The new optical fibre boasts half the signal attenuation per metre of the previous model, which means 'Performance Graphite' comfortably transmits the higher bandwidth signals (up to 11MHz) demanded by today's multi-channel digital audio links.

The cable features a stepped refractive index core that minimises light absorption and which, together with precision cladding techniques, create a marked decrease in refractive index at the fibre boundary. This changes the angle of incidence of the light beam so that more is reflected back inside the fibre, which in turn makes for decreased jitter and cleaner audio data transmission.

### → Technical Data

Structure of Toray Optical Fibre and Diagram of Light Transmission



- Cladding (Fluorinated polymer)
- Core (Polymethyl methacrylate)

### Features

Low jitter

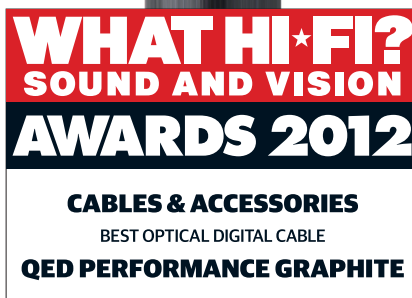
Stepped Refractive Index

Graphite outer jacket (OD 6mm)

All new 1mm PMMA acrylic glass reference optical fibre

Low loss < 0.15dB attenuation per metre

Ideal for multi-channel applications up to 11MHz bandwidth



## QED

Designing cables since 1973.

In 1973 Bob Abraham and Ian Vine founded QED Audio Products and changed the way people think about hi-fi cables. By the time QED 79 strand speaker cable was launched in 1978, it wasn't looked upon as 'just another speaker cable' but was instead regarded as a serious hi-fi component.

Our reputation for innovation and technical excellence is known throughout the world. The latest computer-aided design techniques allow our research and development team to keep pace with technological advances and deliver products that achieve the highest levels of performance and reliability.

This is why QED speaker cables and interconnects are recommended by so many of the world's leading hi-fi and home theatre equipment manufacturers.

QED has won more prestigious cable awards from 'What Hi-Fi? Sound & Vision' magazine than any other brand.

Awards 1981-2011

### Performance Optical Digital Cable

Available in the following lengths  
(1m, 1.5m, 2m, 3m, 5m, 7m, 10m)

### New Optical Digital Cable Range

Performance Graphite Miniature Optical Digital (Toslink to Mini Toslink)



Performance Graphite Miniature Optical Digital (Mini Toslink to Mini Toslink)



# QED

Quod Erat Dēmonstrandum

[www.qed.co.uk](http://www.qed.co.uk)