

# CLIFF

## TOSLINK AUDIO DATA CONNECTOR



TOSLINK is short for Toshibalink, and is also a standard optical digital audio interface, which is widely applied in CD, MD player in Japanese products. Using a light transmitter, the optical cord works as a carrier to deliver digital audio signals for many household appliances, (left and right channel or multichannel).

Our TOSLINK uses the plastic optical fiber (POF) audio jumper. The core is PMMA material and its common standard diameter is 1.0mm, Numerical aperture (NA) is 0.5, the jacket is flame retardant PVC material, and the Jacket outside diameter can be 2.2mm, 4.0mm, 5.0mm or 6.0mm. Usually the total length is less than 10 metres.

### Features

1. Lower insertion loss.
2. High speed transmission of data.
3. Immunity from electromagnetic interference.

### Applications

1. Media audio device.
2. Data player, DVD, MD player.
3. Data / LCD TV
4. PC Notebook
5. Sound card.

### Specification

1. Insertion loss:  $\leq 2.0\text{dB}$
2. Numerical Aperature: 0.5mm
3. Core diameter: 1mm
4. Cladding diameter: 2.2mm - 8.0mm
5. Core material: PMMA

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### P/No.

**FM65015**  
**FM65025**  
**FM65115**  
**FM65125**  
**FM65010**

### Description

TOSLINK OPTICAL STD 1.5m  
TOSLINK OPTICAL STD 2.5m  
TOSLINK OPTICAL GOLD 1.5m  
TOSLINK OPTICAL GOLD 2.5m  
3.5mm OPTICAL JACK ADAPTOR



3.5mm JACK ADAPTOR

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## TOSLINK AUDIO DATA CONNECTOR



Used for connection of Audio and Video components which are equipped with Toslink™ Digital Optical Input / Output jacks.  
Supplied with gold terminal tips.

### Specification

1. Core diameter: 1mm
2. Cladding diameter: 2.2mm
3. Core material: PMMA
4. Application Lightwave: 650nm
5. Attenuation:  $\leq 0.18\text{dB/m}$
6. Bend Radius: 5 x core diameter
7. Connection Loss:  $\leq 0.5\text{dB}$
8. Operating temperature:  $-15^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$

### P/No.

**FM65215**

**FM65220**

**FM65225**

### Description

TOSLINK TO 3.5mm OPTICAL JACK 1.5m

TOSLINK TO 3.5mm OPTICAL JACK 2.0m

TOSLINK TO 3.5mm OPTICAL JACK 2.5m

For further information, contact [sales@cliffuk.co.uk](mailto:sales@cliffuk.co.uk)

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