

# Digital Optical Toslink Cable

Standard and customized toslink audio cables

DATA SHEET



## Digital Optical Toslink Audio Cable in plastic, metal & 24K Gold plated toslink connector

### Features:

- Connects audio component, like a sound bar to receiver/preamp, audio processor, DAC, or television
- Clear, multi-channel, fiber-optic digital audio output through lightweight, flexible pmma fiber cable
- Durable PVC outer layer; corrosion-resistant gold-plated connectors and buffer tubing for optimal signal transfer
- Cable suitable for plastic, metal & 24K Gold plated Toslink (SPDIF) connectors
- Patch cords in a variety of cable diameter and jacket material available
- Standard and custom lengths available

### APPLICATIONS

- CD players, DVD players
- DAT recorders
- Apple MacBook Pro, iMac, Mac mini etc.
- Satellite receivers, game consoles
- Any other digital audio equipment for clear, full, detailed sound.

### Description:

BEC offers a range of high quality Plastic Optical Fiber (POF) cables, [POF patch cords](#), POF Cable Assemblies, LC plugs, and pre-assembled patch cords in RedLink™, Versalink, LC and OptoLock® styles, suitable for use with the company's range of transceivers and other industry standard products.

[POF cable](#) is delivered on reels for convenience when installing runs of cable into equipment or buildings, making harness assemblies, or making odd length patch cords in small quantities. Both single cable and twin (figure of eight) cable are available.

BEC POF patch cords are available in a convenient range of lengths for use with RedLink™ or compatible transceivers, and for use with LC transceivers.

## SPECIFICATIONS

**Table 1**  
**POF CABLE SPECIFICATIONS**

Parameter	Symbol	Min	Typical	Max	Unit
Storage Temperature	$T_{stg}$	-40		+85	°C
Operating Temperature	$T_{op}$	-40		+85	°C
Minimum Bend Radius	$R_{min}$	25			mm
Repeat Bending Endurance <sup>1</sup>		10,000			
Numerical Aperture	NA		0.5		
Attenuation at 650 nm	$\alpha$			0.19	dB/m
Tensile Stress Simplex/Duplex		70/140			N
UL Flame Resistant Rating		VW-1			
Fiber Diameter, including Cladding	$D_c$	0.94	1	1.06	mm
Cable Diameter– Simplex	$D_j$	2.13	2.2	2.27	mm
Twin Cable – Minor Axis	$D_j$	2.13	2.2	2.27	mm
Twin Cable – Major Axis	$D_m$	4.3	4.4	4.5	mm
Jacket Material	Flame Resistant PE or PVC				
Jacket Color	Black (Duplex cable has white identifying bar on one strand)				



Bones Electronics Co. Ltd. • Chongzhou Industrial Development Zone, Chengdu, Sichuan 611230 PR., China  
Tel +86 (28) 8220 0303 • Fax +86 (28) 8220 0304

