FCi

CXP, 150Gb/s Active Optical Cable

DESCRIPTION

The 150Gb/s CXP - CXP Active Optical Cable (AOC) is a natural building block in the range of CXP cable assemblies. It provides a cost effective, high performance, plug and play solution.

Form factor CXP delivers the highest hardware faceplace port density.

The AOC features optical engines inside both cable connectors improving speed and distance versus traditional copper assemblies.

The assembly is a full duplex, 12 channel construction whereby each channel is capable of transmitting data at rates up to 12.5Gb/s

Typical applications are serving transmission distances between 5 and 100m

FEATURES & BENEFITS

▶ **Cost effective**
- Simplified designs
- Limited number of discrete components in the link
- Elimination of on-site cleaning

▶ **Ease of installation**
- Plug and Play
- No dust contamination
- Closed optical system providing 100% eye-safety

▶ **Interoperability**
- SFF- 8642 compliant
- Supports Infiniband SDR, DDR and QDR data rates
- Same brand transceiver on each end

▶ **Reliability**
- 100% final tested
- Assembled under clean room environment
- Optimum Signal Integrity

TARGET MARKETS / APPLICATIONS

▶ Data Center
▶ High Performance Computing
▶ Switching
▶ Industrial

XLERATE™-*12X*

FCi

TECHNICAL INFORMATION

MATERIALS
- Fiber cable:
  - Multi-mode
  - OFNP
- Mates with:
  - 84 pos CXP board connector

ELECTRICAL PERFORMANCE
- Power supply voltage: 3.3V
- Data rate per lane: 12.5 Gbps
- Power consumption: 2.1 W (typ.)
- Transmitter type: VCSEL
- Receiver type: PIN-diode

PACKAGING
- Blister reel up to 30 meter length
- Box beyond 30 meter length

ENVIRONMENTAL
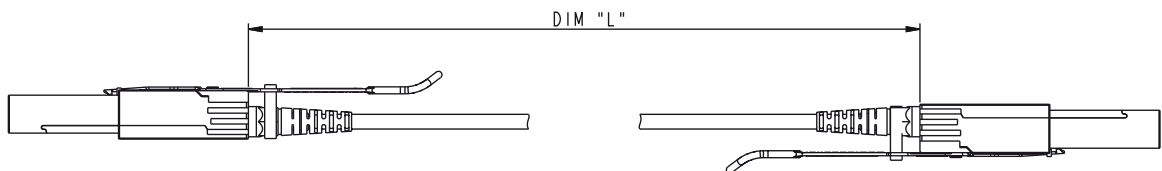- RoHS 6/6 compliant
- Laser Class 1 / CDRH
- Case temperature 0 – 70 degrees C
- Halogene free (optional)

SPECIFICATIONS
- Module meets MSA – Small Form Factor SFF-8642
- Cable assembly supports Infiniband SDR, DDR and QDR
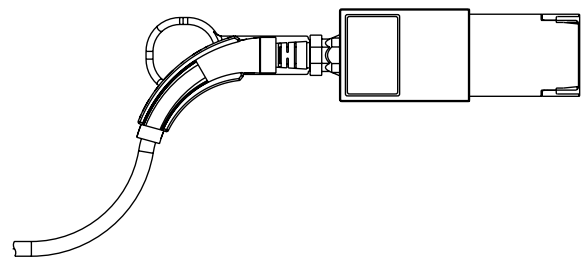- Product Specification: GS-12-1073

APPROVALS AND CERTIFICATIONS
- TUV   : DE2-015589
- UL   : E251142-A2
- FDA   : 0820640-xxx rev 004

DIM "L"

PART NUMBERS

ICD150GVP2410-XX	Straight exit boot
ICD150GVP2430-XX	90 degree exit boot

Suffix XX	Cable Length (m)	Category	Colour
01	1	OM2	Orange
03	3	OM2	Orange
05	5	OM2	Orange
10	10	OM2	Orange
15	15	OM2	Orange
20	20	OM2	Orange
30	30	OM3	Aqua
50	50	OM3	Aqua
C0	100	OM3	Aqua

ELXCXP1500612EA4

For more information please contact: elxcommunications@fci.com

www.fciconnect.com/fiberoptics