

AT A GLANCE

E.C.I. NETWORKS's Direct Attach Copper (DAC) Cable is a twinax copper cable assembly. With the features of the low cost, low power consumption and low latency, it is an alternative to optical transceivers for short reach links in high-speed interconnect applications such as Data Center, HPC and enterprise network storage.

- DAC cables are used for directly connecting ports between active equipment; switches, routers, servers and storage.
- Their main restriction is transmission distance.
- Their main benefit is cost, although there are other benefits.
- EEPROM or MCU for I2C which can be customized
- **Proven and tested on Multiple platforms including Cisco, Juniper, Arista SFP28 25G ports for superior performance, quality, and reliability**



PRODUCT FEATURES

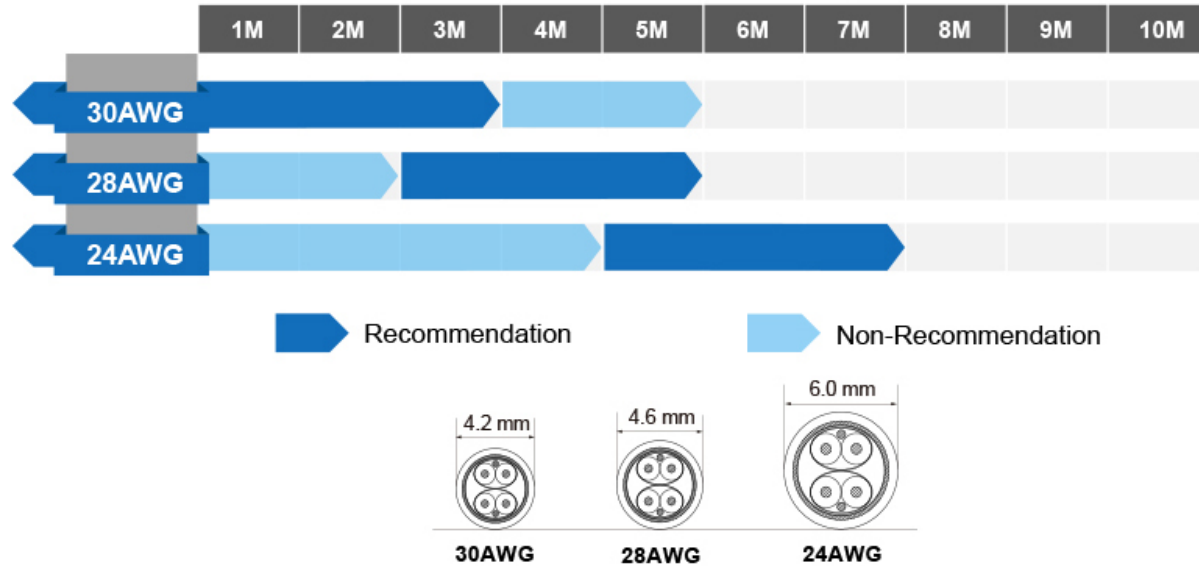
10G SFP+ DAC

- Data Rate (Per Channel) 10.5 Gbp/s
- Aggregate Bit Rate 10.5 Gbp/s
- Transmission Distance 1m (Passive)
- SFP+ End 1 SFP+ MSA SFF 8431, 8432 & 8471 Compliant
- SFP+ End 2 SFP+ MSA SFF 8431, 8432 & 8471 Compliant
- Power Supply Single 3.3V
- Temperature Range -5 to +70°C
- RoHS-6 Compliant
- Ethernet 10GBASE-CR compliant

25G SFP28 DAC

- Data Rate (Per Channel) 25.78Gbp/s
- Aggregate Bit Rate 25.78Gbp/s
- Transmission Distance Up to 5m (Passive)
- SFP28 End 1 SFP28 MSA SFF 8402 and 8432 Compliant
- SFP28 End 2 SFP28 MSA SFF 8402 and 8432 Compliant
- Power Supply Single 3.3V
- Temperature Range -5 to +70°C
- RoHS-6 Compliant
- Ethernet 10GBASE-CR compliant

SFP+/SFP28 Passive Cable Assembly Length Recommendation



Ordering Information

SFP+ to SFP+ Direct Attach Copper Cable (custom length is available on request)	
EN-SFPP-DAC-1M-xx	10GbE SFP+ Direct Attach Passive Copper Cable 1M AWG30
EN-SFPP-DAC-2M-xx	10GbE SFP+ Direct Attach Passive Copper Cable 2M AWG30
EN-SFPP-DAC-3M-xx	10GbE SFP+ Direct Attach Passive Copper Cable 3M AWG30/24
EN-SFPP-DAC-4M-xx	10GbE SFP+ Direct Attach Passive Copper Cable 4M AWG30/24
EN-SFPP-DAC-5M-xx	10GbE SFP+ Direct Attach Passive Copper Cable 5M AWG 30/24
EN-SFPP-DAC-7M-xx	10GbE SFP+ Direct Attach Passive Copper Cable 7M 24AWG
SFP+ Active Copper cable	
EN-SFPP-DAC-1MA-xx	10GbE SFP+ Direct Attach Active Copper Cable 1M AWG30
EN-SFPP-DAC-2MA-xx	10GbE SFP+ Direct Attach Active Copper Cable 2M AWG30
EN-SFPP-DAC-3MA-xx	10GbE SFP+ Direct Attach Active Copper Cable 3M AWG30
EN-SFPP-DAC-5MA-xx	10GbE SFP+ Direct Attach Active Copper Cable 5M AWG30

EN-SFPP-DAC-7MA-xx	SFP+ 10 Gigabit Ethernet Direct Attach Copper (active twinax copper cable) 7m, AWG 30/28
EN-SFPP-DAC-10MA-xx	SFP+ 10 Gigabit Ethernet Direct Attach Copper (active twinax copper cable) 10m AWG 28/24
EN-SFPP-DAC-15MA-xx	SFP+ 10 Gigabit Ethernet Direct Attach Copper (active twinax copper cable) 15m, AWG24
SFP28 to SFP28 Direct Attach Copper Cable (custom length is available on request)	
EN-S28-DAC-1M-xx	25G SFP28 to SFP28 Direct Attach Passive Copper Cable 1M, AWG30
EN-S28-DAC-2M-xx	25G SFP28 to SFP28 Direct Attach Passive Copper Cable 2M, AWG30
EN-S28-DAC-3M-xx	25G SFP28 to SFP28 Direct Attach Passive Copper Cable 3M, AWG 30/28/26
EN-S28-DAC-4M-xx	25G SFP28 to SFP28 Direct Attach Passive Copper Cable 4M, AWG26
EN-S28-DAC-5M-xx	25G SFP28 to SFP28 Direct Attach Passive Copper Cable 5M, AWG25

Product Selection

xx: Refers to vendor compatibility

I: I refers to Industrial Temperature where applicable

Per example:

EN-SFP10G-LR-EZ refers to Commercial Temperature, and compatible with Evertz, EN-SFP10GIDL-JREX refers to Industrial Temperature, and compatible with Juniper EX Series

** Please note pricing is same for most of the NEMs including Cisco, Juniper, F5, Fortinet, except HP, Evertz. There is an additional charge

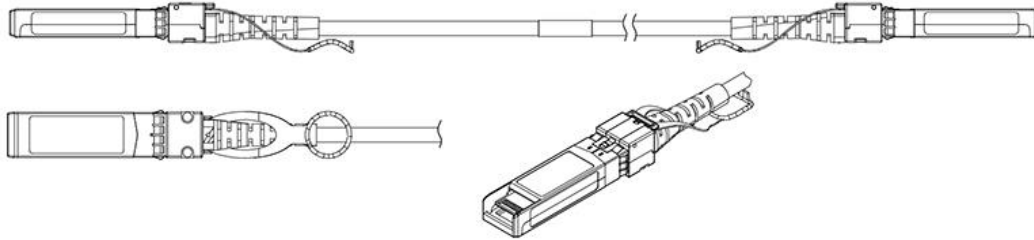
Compatibility; Tested and Proven

- ◆ Proven Compatibility and Interoperability with; Cisco, Juniper, ALCATEL-LUCENT, ADVA, Brocade, CIENA, Huawei, PacketLight, Transmode, NEtInsight, ToyoTech, etc.
- ◆ Test and Visibility equipment such as; IXIA, GIGAMON, VSS, SPIRENT, JDSU, XENA, EXFO, etc.

Compliance

All our products come with Built-in digital diagnostic functions DDM Compliant with SFF-8472 Rev12 and Compliant with the MSA SFF SPECIFICATIONS.

Mechanical specifications



Notice:

ECI Networks reserves the right to make changes to or discontinue any optical link product or service identified in this publication, without notice, in order to improve design and/or performance. Applications that are described herein for any of the optical link products are for illustrative purposes only.

For further information



Office: 1-800-967-1672

Fax : 1-855-201-7283

<mailto:sales@ecin.ca>

6500 TRANS-CANADIAN, SUITE 400

POINTE-CLAIRE, QC H9R 0A5

www.ecin.ca