

Active High Speed Copper Cable



800G OSFP Twin-port ACC

General Description

Hermesys 800G OSFP Active Copper cable features 8 transmitting and 8 receiving 100Gbps PAM4 channels for 800G operation. Hermesys 800G OSFP ACC cable is designed to meet the next-gen data centre needs. With unique foam dielectric construction, Hermesys OSFP 800G ACC cable offers smallest cable outer diameter and bend radius, and highest flexibility, while meeting or exceeding the MSA signal integrity specification.



Product Features

- Support I2C two - line string interface
- Support 112G (PAM4) electrical data rates/channel
- Low crosstalk
- Low power
- Support for hot plugging



Applications

- 800G InfiniBand NDR
- Switch
- Routers, Storage arrays
- Data center, Cloud server
- Test and measurement equipment



Compliance Standards

- EIA-364
- Compliant to IEEE 802.3ck
- UL94, 1581, VW1, File No.E510564
- SFF-8636
- OSFP_MSA
- RoHS

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Technical data

Model	800G OSFP to 800G OSFP Active Copper cable	Top	Finned
Package Type	OSFP	Transmission rate/channel	112Gbps (PAM4)
Conductor	26-30AWG	Cable length	0.5-5.0m
Cable Color	Black	Cable Jacket	LSOH
Retention Force	Min.125N	Insertion Force	Max.40N
Extraction Force	Max.30N	Durability	50 cycles
Operation Temp.	0°C to +70°C	Storage Temp.	-40°C to +80°C
Cable Cold Bend	4H(No physical damage)	Cable Impedance	100±5Ω
Paddle Card Impedance	100 ± 10Ω	Cable Termination Impedance	100 ± 10Ω
MDNEXT	≥35dB @26.5HGz	Insulation Resistance	10Mohm(Min.)
Low Level Contact Resistance	70millionhms Max. From initial	Dielectric Withstanding Voltage	NO disruptive discharge
Protocol	CMIS, ETC 800GBASE-CR8 OSFP MSA	Warranty	3 years

Order Information

Part Number	Description
AC-13800030AC1EW	Hermesys HydraX 800G OSFP Active Copper Cable, 3.0m Compatible with Nvidia
AC-13800050AC1EW	Hermesys HydraX 800G OSFP Active Copper Cable, 5.0m Compatible with Nvidia