

zSFP+® TempFlex® 28 Gbps Cable Assembly

molex®

Delivering unparalleled signal integrity with superior shielding for next-generation Ethernet and Fibre Channel applications, zSFP+® TempFlex® 28 Gbps Cable Assemblies provides significant insertion loss improvement and cost efficiencies

Features and Benefits

TempFlex® cable technology	Provides significant insertion loss improvement without OD penalty. Boosts cost efficiencies through a vertically-integrated supply chain
Enhanced shielding compared to standard cable	Improves cross-talk performance and signal integrity
Designed for automated termination process	Improves production efficiency to maximize cost competitiveness
Meets new IEEE 802.3bj industry requirements	Guarantees reliability in 28 Gbps systems. Functions across a wide variety of next-generation technologies and applications
Backwards compatibility with SFP+ I/O ports	Enables utility of legacy 10 Gbps Ethernet and 16 Gbps Fibre Channel systems



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Applications

Telecommunication and Datacommunication Equipment

Switches, routers, hubs
Central office, cellular infrastructure
and multi-platform service systems
(DSL, Cable Data)
Storage



(Data Center Switches, Routers and Hubs)

zSFP+® TempFlex® 28 Gbps Cable Assembly



Specifications

REFERENCE INFORMATION

Packaging: EMI bag
Mates with: zSFP+® Connectors (170382)

ELECTRICAL

Frequency Range: 10 MHz to 25 GHz
Number of Points: 2500
Infrared Bandwidth: 1 kHz
Supply Voltage: 3.3VDC ± 5%
Supply Current (max): 0.03A at 3.135V
Power Consumption (max): 0.125W

MECHANICAL

Durability:
PL1 – Performance Level 1 -
0.38µm Gold (Au) – 50 cycles
PL2 – Performance Level 2 –
0.76µm Gold (Au) – 250 cycles

PHYSICAL

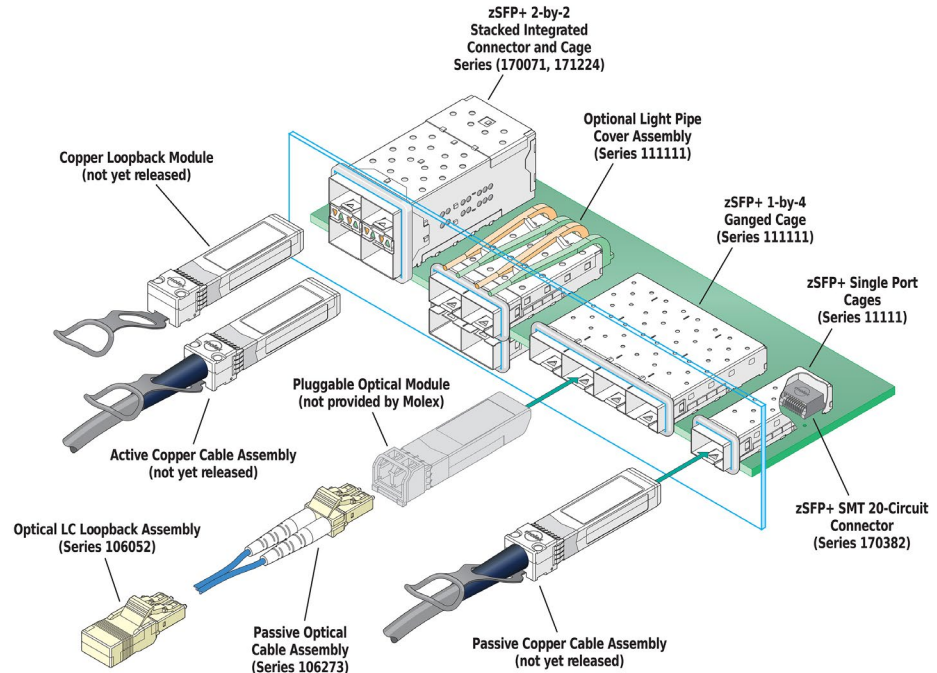
Backshells – Zinc Diecast
Pull: Nylon
Cable – 2 pair, 100 Ohms differential
RoHS compliant: Yes
Operating Temperature:
-40 to +75°C (excluding bulk cable)
Storage Temperature : -55 to +85°C

Ordering Information

Series No.	Data Rate	Wire Gauge	Lengths
111145	28 Gbps	30 AWG	0.5, 1.0, 2.0, 2.5 and 3.0m
		26 AWG	2.0, 3.0, 4.0 and 5.0m

Part of the zSFP+® Family of High-Speed Products

zSFP+® connectors, cage assemblies and cable assemblies are part of a comprehensive Molex system solution. These components include: zSFP+® SMT 20-circuit connectors, stacked integrated connectors, cages, passive copper cable assemblies, copper loopback modules, active copper cable assemblies and passive optical cable assemblies.



www.molex.com/link/zsfp+.html