

QSFP28 to 2X QSFP28 Cable Assemblies

THE INDUSTRY LEADER IN 100G QSFP28 Y CABLES

Amphenol ICC's QSFP28 to 2X QSFP28 cable assembly is designed to meet data center, networking and high performance computing application needs for a high density cabling interconnect system capable of 50Gb/s per channel transmission rates.

It is designed to meet the requirements of Small Form Factor industry standard SFF-8665 / SFF-8402. Amphenol ICC offers passive cable assemblies tailored to meet specific cable lengths while meeting all performance requirements.

- Fully compatible with all QSFP+ interfaces and mechanical requirements, backwards compatible with QSFP
- Provides cost and performance optimized solutions across multiple cable assembly lengths
- Optimized signal integrity performance
- Meets signal performance requirements up to 5 meter lengths
- Enables system communication; industry standard memory map compliance with possible customization

FEATURES

- SFF-8665 / SFF-8402 industry standard compliance
- Optimized PCB interface board with auto soldering process
- Enables 28Gb/s per channel transmission
- EEPROM in cable assembly
- Controlled wire management and termination
- 32AWG – 26AWG cable sizes



TARGET MARKETS



BENEFITS

- Fully compatible with all QSFP+ interfaces and mechanical requirements, backwards compatible with QSFP
- Optimized signal integrity performance
- Meets signal performance requirements up to 5 meters
- Enables system communication; industry standard memory map compliance with possible customization
- Assures consistent cable performance
- Provides cost and performance optimized solutions across multiple cable assembly lengths

TECHNICAL INFORMATION

MATERIAL

- Nickel plated zinc alloy die cast shell
- Engineered plastic pull tab

ELECTRICAL PERFORMANCE

- Differential Impedance: $100\Omega \pm 10\Omega$
- SI performance per 25G Ethernet

MECHANICAL PERFORMANCE

- Durability: 250 cycles SFF-8417
- Mating Force: Per SFF-8661 (40N max.)
- Module Retention: Per SFF-8661 (90N min., 125N no damage)
- Cable Axial Strain Relief: Test to 120N min.
- Cable Flex: 180° flex; SFF-8417

ENVIRONMENTAL

- Thermal Shock: EIA-8417
- Temperature Life: EIA-364-17

APPROVALS AND CERTIFICATIONS

- RoHS2 Compliant

SPECIFICATION

- SFF-8665, SFF-8679, SFF-8636, SFF-8661, SFF-8402
- Infiniband EDR, Infiniband FDR
- IEEE802.3bj, IEEE802.3by

PACKAGING

- Individually packed in anti-static bags
- Cable ends packaged with dust covers

TARGET MARKETS/APPLICATIONS



Adapter Card
Wireless BBU



Data Center
High Performance Computing (HPC)
Router
Server
Storage
Switch

PART NUMBERS

Description	Type	Part Numbers
QSFP28 to 2X QSFP28 cable	30AWG, 1.0 meter, passive	NDARHF0001
QSFP28 to 2X QSFP28 cable	30AWG, 2.0 meter, passive	NDARHF0002
QSFP28 to 2X QSFP28 cable	30AWG, 3.0 meter, passive	NDARHF0003
QSFP28 to 2X QSFP28 cable	30AWG, 0.5 meter, passive	NDARHF0004
QSFP28 to 2X QSFP28 cable	30AWG, 1.5 meter, passive	NDARHF0005
QSFP28 to 2X QSFP28 cable	30AWG, 2.5 meter, passive	NDARHF0006
QSFP28 to 2X QSFP28 cable	28AWG, 1.0 meter, passive	NDARHG0001
QSFP28 to 2X QSFP28 cable	28AWG, 2.0 meter, passive	NDARHG0002
QSFP28 to 2X QSFP28 cable	28AWG, 3.0 meter, passive	NDARHG0003
QSFP28 to 2X QSFP28 cable	28AWG, 1.5 meter, passive	NDARHG0004
QSFP28 to 2X QSFP28 cable	28AWG, 2.5 meter, passive	NDARHG0005
QSFP28 to 2X QSFP28 cable	26AWG, 1.0 meter, passive	NDARHJ0001
QSFP28 to 2X QSFP28 cable	26AWG, 2.0 meter, passive	NDARHJ0002
QSFP28 to 2X QSFP28 cable	26AWG, 3.0 meter, passive	NDARHJ0003
QSFP28 to 2X QSFP28 cable	26AWG, 4.0 meter, passive	NDARHJ0004
QSFP28 to 2X QSFP28 cable	26AWG, 5.0 meter, passive	NDARHJ0005
QSFP28 to 2X QSFP28 cable	26AWG, 3.5 meter, passive	NDARHJ0006