

Interconnection & Network Solutions

High Speed QSFP Ethernet Twinax Passive Copper Cable Assemblies

QSFP (Quad Small Form-Factor Pluggable) is a compact, hot-pluggable transceiver system designed for high-speed data communication. Featuring a 4-channel architecture, QSFP offers significantly higher density and data throughput compared to traditional SFP/SFP+ ports, making it ideal for bandwidth-intensive applications and high-density networking environments.

SINBON offers a range of QSFP shielded twinax passive copper cable assemblies that support transmission rates of up to 400Gbps. With options such as QSFP28, QSFP56, and QSFP-DD, these assemblies support multiple standards, including Fiber Channel, Ethernet, SDH/SONET, and InfiniBand. They deliver versatile and high-speed connectivity, making them ideal for applications, such as data centers, low-latency communication systems, cloud storage, and network adapters.

QSFP28 to QSFP28 Twinax passive cable copper assemblies

- Support total data rate: 100Gbps
- Comply with QSFP 28 MSA and IEEE 802.3bj
- RoHS compliant
- Part numbers (customization is available):

Data Rate	Length	AWG	Part Number	Type
25G / Lane	1 meter	30AWG	SBIDC-4-100G-10	Passive
25G / Lane	2 meters	30AWG	SBIDC-4-100G-20	Passive
25G / Lane	3 meters	30AWG	SBIDC-4-100G-30	Passive
25G / Lane	4 meters	26AWG	SBIDC-4-100G-40	Passive
25G / Lane	5 meters	26AWG	SBIDC-4-100G-50	Passive

QSFP56 to QSFP56 Twinax passive copper cable assemblies

- Support total data rate: 200Gbps
- Comply with QSFP 56 MSA and IEEE 802.3cd
- RoHS compliant
- Part numbers (customization is available):

Data Rate	Length	AWG	Part Number	Type
50G / Lane	1 meter	30AWG	SBIDC-5-200G-10	Passive
50G / Lane	2 meters	30AWG	SBIDC-5-200G-20	Passive
50G / Lane	3 meters	26AWG	SBIDC-5-200G-30	Passive

QSFP-DD to QSFP-DD Twinax passive copper cable assemblies

- Support total data rate: 400Gbps
- Comply with IEEE 802.3cd
- RoHS compliant
- Part numbers (customization is available):

Data Rate	Length	AWG	Part Number	Type
50G / Lane	0.5 meter	30AWG	SBIDC-6-400G-05	Passive
50G / Lane	1 meter	30AWG	SBIDC-6-400G-10	Passive
50G / Lane	2 meters	28AWG	SBIDC-6-400G-20	Passive
50G / Lane	2.5 meters	28AWG	SBIDC-6-400G-25	Passive



QSFP28



QSFP56



QSFP-DD

Standard QSFP cable assemblies are available on SINBON Webshop.
<https://shop.sinbon.com/us/>

In addition to standard QSFP cables, SINBON leverage its years of expertise in the **semiconductor industry** to provide cable assemblies designed for **cleanroom applications**. The cleanliness specifications for these assemblies are as follows:

- Standard particle count of $\leq 4/\text{dm}^2$
- Total contamination $\leq 8\text{cm}^2/\text{m}^2$
- Single stain $\leq 3\text{cm}^2$

All our clean products undergo dust-free cleaning, UV-A inspection and inflatable packaging to ensure the highest quality and performance in sensitive environments.



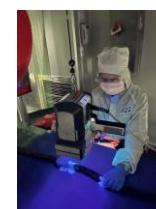
Dust-free cleaning

Ensures the highest level of cleanliness for sensitive environments



Inflatable packaging

Provides secure and protective packaging to prevent contamination during transportation.



UV-A inspection

Products are tested under UV-A light to meet quality standards.

For cleanroom applications, please contact ix@sinbon.com

