

QSFP+ to 4x SFP+ Passive Copper Cables

Volet's QSFP+ to 4x SFP+ hybrid passive copper cable assemblies are a cost-effective, low-power alternative to optical modules for short reach links in high-speed interconnect applications. The cables enable 40G QSFP+ breakout to 4x 10+G SFP+ ports, optimizing data center solutions for connecting 40G Ethernet ports to 10G Ethernet switches and adaptors.

Each QSFP+ to SFP+ hybrid passive copper cable is fully shielded by design utilizing a combination of shielded twin-axial cable and robust die cast housings with actuating pull latch. For added robustness, the overmold technique used in fabrication for these cables provides additional strain relief and minimizes conductor pistoning.

APPLICATIONS

- Ethernet 10G, 40G
- Fiber Channel 8G, 14G
- Rapid IO
- Myrinet 40G
- Networking
- Storage
- Hubs, switches, routers, and servers

STANDARDS COMPLIANCE

- Electrical: SFF-8419, SFF 8436
- Mechanical: SFF-8432, SFF-8661
- Memory Map: SFF-8472, SFF-8636
- IEEE P802.3ba
- RoHS



Features and Specifications

Product Type	Passive Copper
Conductor Sizes	25 – 30 AWG conductor sizes available to achieve maximum performance up to 7m
Conductor Treatment	Laser Stripped Conductors
Cable Type	PVC
Cable Color	Black
Packaging	PE Bag
Power Supply Voltage	3.3 V
Temperature Range	0 – 70° C
Retention Force	Minimum 90 N, Maximum 170 N
Insertion Force	Maximum 18 N (SFP+), 40N (QSFP+)
Options Include	Customer specified EEPROM Map Cable length Low Smoke, Zero Halogen (LSZH) jackets Custom colors for pull tab and cable jacket

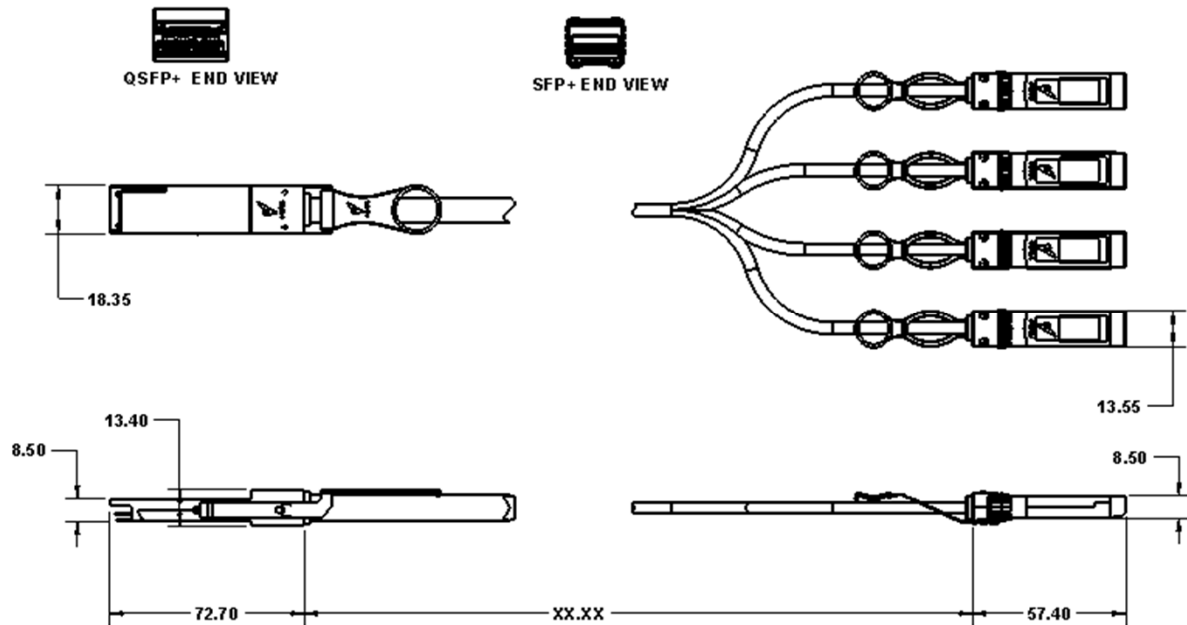
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Mechanical Drawing



VOLEX P/N	CABLE LENGTH, M	AWG	CABLE DIAMETER, MM
VQ24S30YP050	0.50	30	6.6
VQ24S30YP075	0.75	30	6.6
VQ24S30YP100	1.00	30	6.6
VQ24S30YP150	1.50	30	6.6
VQ24S30YP200	2.00	30	6.6
VQ24S30YP250	2.50	30	6.6
VQ24S28YP300	3.00	28	7.5
VQ24S28YP400	4.00	28	7.5
VQ24S26YP500	5.00	26	8.8

25–30 AWG conductor sizes are used to achieve maximum performance up to 7m.

Options available

- Low Smoke, Zero Halogen (LSZH) jackets
- Custom cable lengths up to 7m
- Custom colors for pull tab
- Custom EEPROM mapping

Contact us at sales@volex.com for assistance in finding the right solution for your needs.

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