

Cable Guide for RAID Controller Cards and HBAs

Broadcom cables ensure smooth RAID controller card and HBA installations with vendor-tested cabling.

Broadcom cables are tested and approved to ensure a successfully deployed storage solution:

- Various internal cable options ease system integration
- Cables are thoroughly tested to deliver quality and performance

SAS/SATA Cables for 93xx and 94xx Series

Cable Specifications

These cables enable connections from 9300 and 9400 series MegaRAID and HBA adapters to SAS and SATA devices.

Product	MPN	Length	Sideband Support	To Controller	To Drives/Backplane	Compatible Controllers ("i" = internal connectivity, "e" = external connectivity)
CBL-SFF8644-8088-10M	L5-25196-00	1.0m		SFF-8644 	SFF-8088 	External connectivity: MegaRAID 9380 (-4i4e, -8e) MegaRAID 9480-8i8e SAS 9305-16e HBA SAS 9300 (-4i4e, -8e) HBA HBA 9405W-16e
CBL-SFF8644-8088-20M	L5-25199-00	2.0m				
CBL-SFF8644-8088-60M	L5-25194-00	6.0m				
CBL-SFF8644-10M	L5-25198-00	1.0m		SFF-8644 	SFF-8644 	
CBL-SFF8644-20M	L5-25201-00	2.0m				
CBL-SFF8644-60M	L5-25195-00	6.0m				
CBL-SFF8643-8087-06M	05-26117-00	0.6m		SFF-8643 	SFF-8087 	Internal connectivity: MegaRAID 9380-4i4e MegaRAID 9361 (-4i, -8i) MegaRAID 9341 (-4i, -8i) MegaRAID 9365-28i MegaRAID 9480-8i8e MegaRAID 9440-8i SAS 9305 (16i, 24i) HBA SAS 9300 (-4i, -4i4e, -8i) HBA HBA 9400-16i (-8i) HBA 9405W-16i
CBL-SFF8643-8087-08M	05-26118-00	0.8m				
CBL-SFF8643-8087-10M	05-26119-00	1.0m				
CBL-SFF8643-06M	05-26114-00	0.6m		SFF-8643 	SFF-8643 	
CBL-SFF8643-08M	05-26113-00	0.8m				
CBL-SFF8643-10M	05-26112-00	1.0m				
CBL-SFF8643-SATASB-05M	L5-00219-00	0.5m	✓	SFF-8643 	x4 SATA 	
CBL-SFF8643-SATASB-06M	L5-00220-00	0.6m	✓			
CBL-SFF8643-SATASB-10M	L5-00221-00	1.0m	✓			
CBL-SFF8643-SAS8482SB-06M	L5-00222-00	0.6m	✓	SFF-8643 	SFF-8482 	
CBL-RA8643-04M	L5-00223-00	0.4m		SFF-8643 (RA) 	SFF-8643 	
CBL, RA x4 SFF-8654 to x4 SFF-8643 1M	05-50066-00	1.0M	✓	SFF-8654 (RA) 	SFF-8643 	Internal connectivity: MegaRAID 9365-28i

U.2 Enabled Cables for 94xx Series

Cable Specifications

These cables enable connections from 9400 series MegaRAID and HBA Tri-Mode Adapters to NVMe storage devices either through backplane or direct to drive connections.

MPN	Description	Length	Side Bands Supported	To Controller	To Drives/Backplane	Compatible Controllers (i = internal, e = external connectivity)
05-50061-00*	Cable, U.2 Enabler, HD to HD(W) 1M	1m	Yes	x8 SFF-8643 	2 x4 SFF-8643 Mini SAS HD (White) 	Internal Connectivity: MegaRAID 9460 (-16i, 8i) MegaRAID 9480 (-8i8e) MegaRAID 9440 (-8i) HBA 9400 (-16i, -8i, -8i8e) HBA 9405W (-16i)
05-50062-00	Cable, U.2 Enabler, HD to OCuLink 1M	1m	Yes	x8 SFF-8643 	2 x4 SFF-8612 OCuLink 	
05-50063-00	Cable, U.2 Enabler, HD to SlimLine 1M	1m	Yes	x8 SFF-8643 	2 x4 SFF-8654 SlimLine 	
05-50065-00	Cable, U.2 Enabler, HD to SFF8639 0.5M	0.5m	Yes	x8 SFF-8643 	2 x4 SFF-8639 Direct Drive Connect 	
05-50064-00	Cable, U.2 Enabler, HD to SFF8639 1M	1m	Yes	x8 SFF-8643 	2 x4 SFF-8639 Direct Drive Connect 	

*U.2 Enabled cable 05-50061-00 designed for SuperMicro NVMe enabled backplanes. These backplanes identify NVMe drive connections through white Mini SAS HD connectors.

Tri-Mode Cable for 95xx Adapter Generation

Cable Specifications

These cables enable connection from 95xx series MegaRAID and HBA Tri-Mode adapters to SAS, SATA, and PCIe (NVMe) devices.

MPN	Description	Length	Side Bands Supported	To Controller	To Devices/Backplane	Compatible Controllers (i = internal, e = external connectivity)
05-60001-00	Cable, x8 8654 to 2x4 8612, AltWiring 1M	1m	Yes	SFF-8654 (SlimSAS) 	2 x4 SFF-8612 (OCuLink) 	Internal Connectivity: MegaRAID 9560 (-16i), 8i MegaRAID 9580-8i8e HBA 9500 (-16i, -8i)
05-60002-00	Cable, x8 8654 to 2x4 8643 (W), SMC 1M	1m	Yes	SFF-8654 (SlimSAS) 	2 x4 SFF-8643 Mini SAS HD (NVMe Connection)* 	
05-60003-00	Cable, x8 8654 to 2x4 8643, 9402 SAS 1M	1m	Yes	SFF-8654 (SlimSAS) 	2 x4 SFF-8643 Mini SAS HD (SAS Connections) 	
05-60004-00	Cable, x8 8654 to 2x4 8654, 9402 1M	1m	Yes	SFF-8654 (SlimSAS) 	2 x4 SFF8654 SlimSAS 	
05-60005-00	Cable, x8 8654 to 2xU.2 Direct, 1M	1m	Yes	SFF-8654 (SlimSAS) 	2xU.2 Direct Connect 	
05-60006-00	Cable, x8 8654 to 8xU.3 Direct 1M	1m	Yes	SFF-8654 (SlimSAS) 	8xU.3 Direct Connect 	
05-60007-00	Cable, x8 8654 to 1x8 8654, 9402 1M	1m	Yes	SFF-8654 (SlimSAS) 	1 x8 SFF8654 SlimSAS 	

*Cable 05-60002-00 is designed for SuperMicro NVMe enabled backplanes using white Mini SAS HD connectors for the NVMe connections.