

3M™ 400G QSFP-DD Direct Attach Copper Cable Assemblies, 9V Series
 Visit 3M.com/interconnect

NOTES:

- ORDERING INFORMATION: REFER TO TABLE 2 FOR DETAILS.
- REFER TO TABLE 2 FOR CABLE LENGTH AND WIRE AWG
- CABLE ASSEMBLY DESIGNED TO QSFP-DD MSA & IEEE 802.3cd SPECIFICATION
- MATERIALS:
 BACKSHELLS: NICKEL PLATED ZINC DIE CAST
 PULL TAB DELATCH: OVERMOLDED STAINLESS STEEL
 BUNDLED CABLE: HALOGEN FREE, RATED UL VW-1 PER UL STYLE 22429
- UNLESS OTHERWISE NOTED, REFERENCES TO INDUSTRY SPECIFICATIONS ARE INTENDED TO INDICATE SUBSTANTIAL COMPLIANCE TO THE MATERIAL ELEMENTS OF THE SPECIFICATION. SUCH REFERENCES SHOULD NOT BE CONTRUED AS A GUARANTEE OF COMPLIANCE TO ALL REQUIREMENTS IN A GIVEN SPECIFICATION.
- PRODUCT SPECIFICATION REFER TO 3M DOCUMENT: PS-0417
- CABLE RETURN LOSS PERFORMANCE IS VALID FOR CABLE ASSEMBLIES OF A MINIMUM OF 1.00 METER IN LENGTH. CABLE ASSEMBLIES LESS THAN 1.00 METER IN LENGTH MAY NOT ACHIEVE THE RETURN LOSS PERFORMANCE IN IEEE802.3cd. CABLE RETURN LOSS PERFORMANCE IS SUBJECT TO CHANGE WITH DIFFERENT CABLE ASSEMBLY LENGTHS. END USER WILL NEED TO DETERMINE WHETHER THIS PRODUCT IS SUITABLE FOR THEIR INTENDED APPLICATION.
- FOR CUSTOM LENGTHS CONTACT A 3M SALES REPRESENTATIVE
- EEPROM MAP FOLLOWS QSFP DD CMIS REV 4.0.

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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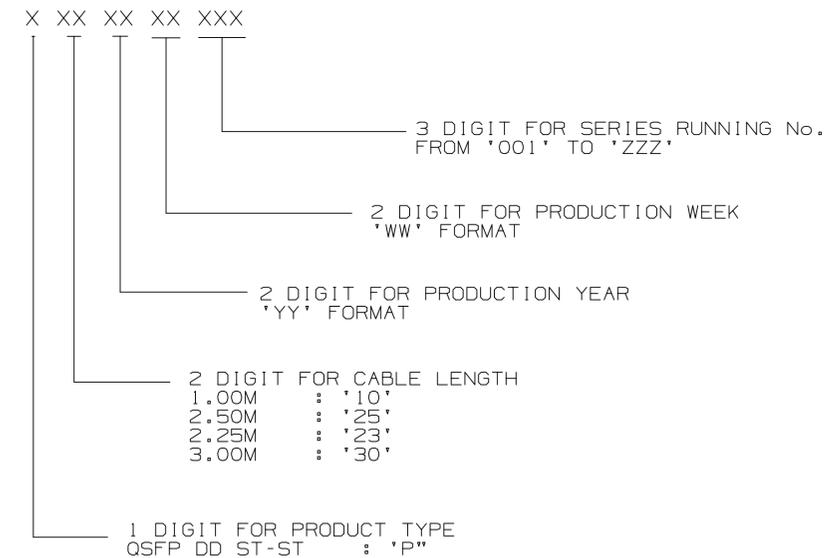
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 INFORMATION CALL 800-225-5373

TABLE 2					
ORDERING INFORMATION	CABLE GAUGE	ASSEMBLY LENGTH (m)	TOLERANCE +/- (mm)	CABLE BUNDLE SIZE (INCHES) EFFECTIVE DIAMETER MEASURED WITH OD TAPE	SDD21 < (dB) per IEEE802.3cd
9V4-S3L-VAR-0.75	30AWG	0.75	15	0.42" +/- 0.02" OVAL BUNDLE	11.0
9V4-S3L-VAR-1.00		1.00			11.7
9V4-S3L-VAR-1.25		1.25			12.9
9V4-S3L-VAR-1.50		1.50			14.0
9V4-S3L-VAR-1.75		1.75			15.2
9V4-S3L-VAR-2.00		2.00	25		16.4
9V4-S8L-VAS-2.00	28AWG	2.00	25	0.50" +/- 0.02" OVAL BUNDLE	13.7
9V4-S8L-VAS-2.25		2.25			14.6
9V4-S8L-VAS-2.50		2.50			15.6
9V4-S8L-VAS-2.75		2.75			16.5
9V4-S6L-VAT-2.75	26AWG	2.75	25	0.57" +/- 0.02" OVAL BUNDLE	14.2
9V4-S6L-VAT-3.00		3.00			15.1
9V4-S6L-VAT-3.25		3.25			16.0
9V4-S6L-VAT-3.50		3.50			16.9

SERIAL NUMBER DETAIL



DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DATE	DATE	DATE	DATE	DATE	DATE	DATE
DRP L SCHMIDT	MAR 14, 2023	MFG				
DRK D BOYE	MAR 17, 2023	APPL				
DIVISION	DIVISION CODE	© 3M COPYRIGHT 2023 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.				
DO NOT SCALE DRAWING	SCALE 1/1	TOLERANCES EXCEPT AS NOTED		3M St. Paul, MN 55144		
THIRD ANGLE PROJECTION	INCHES .00 .000 ±.0000	MILLIMETERS 0 ±.1		TITLE 3M™ 400G DAC QSFP-DD, VW-1, HF BRAIDED SLEEVE		
INTERPRET PER ASME Y14.5 - 2018	MAX SURFACE ROUGHNESS 125 ☐ ALL SURFACES ☒ MARKED ONLY	ANGLES ±1°	CAGE NUMBER D 78-5100-2785-3	SIZE A	DRAWING NO. 78-5100-2785-3	REV. A
MODEL				DET YES NO SHT 2 OF 2		

A REVISION
 78-5100-2785-3
 DRAWING NUMBER
 B
 6
 Off-set (hrs)
 C
 1
 REV.
 6
 Standard
 Central
 Time 5/16/2023
 UTC
 6