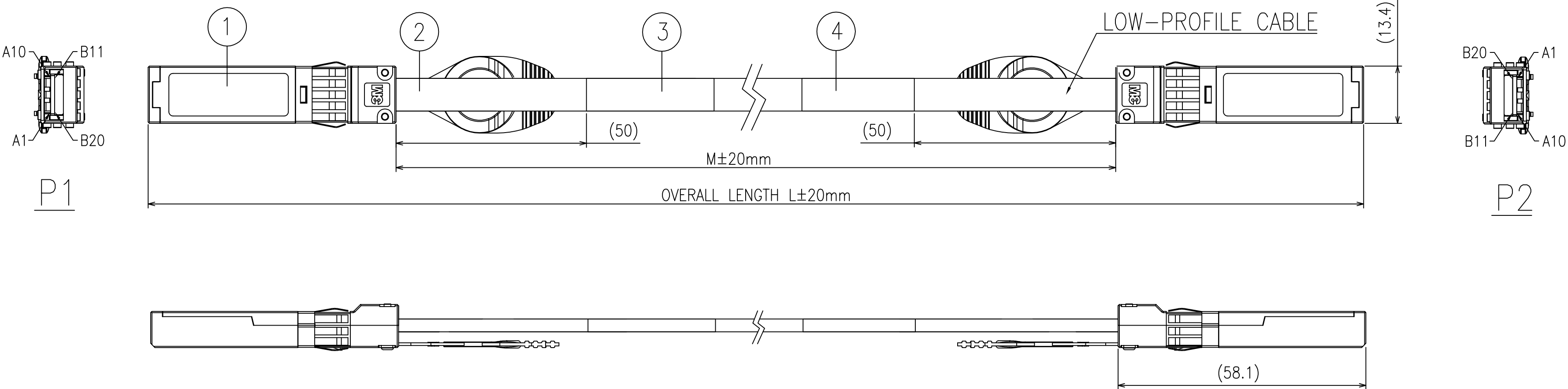




NOTES:

1. ORDERING INFORMATION: REFER TO PART NUMBER TABLE

3. MATERIALS:

- ① SFP+ SHELL KIT, 2 PCS
- ② 3M TWINAX CABLE
- ③④ LABEL:

LILONG LABEL=CLEAR/WHITE BACKGROUND WITH BLACK TEXT, TEXT H=2.00MM, ARIAL,
L*W=40*30MM, "YYWW" IS DATE CODE, e.g YEAR=2007, WEEK=26, YYWW=0726

4. JACKET TYPES: PVC, COLOR: BLUE / RED

5. CABLE FLAMMABILITY RATING: UL VW-1

6. THIS CABLE ASSEMBLY IS RoHS COMPLIANT

7. BULK CABLE MEETS UL TEMP. RANGE -20°C TO +80°C

8. BULK CABLE IMPEDANCE: 100±5 OHMS (DIFFERENTIAL)

9. 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 CONSTRUED AS A GUARANTEE OF COMPLIANCE TO ALL REQUIREMENTS IN A GIVEN SPECIFICATION.

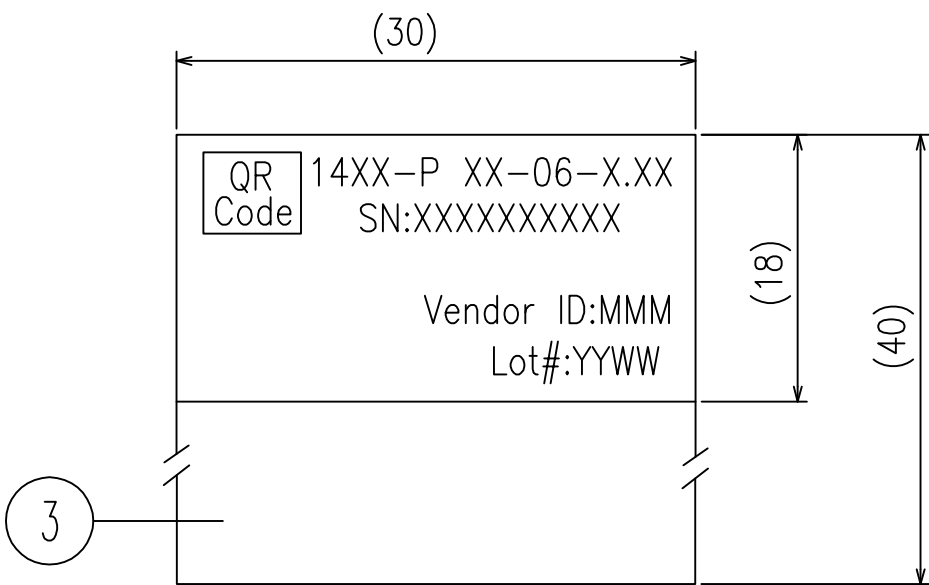
10. ALL CABLE ASSEMBLIES ARE INDIVIDUALLY BAGGED.

CABLE JACKET COLOR CODE

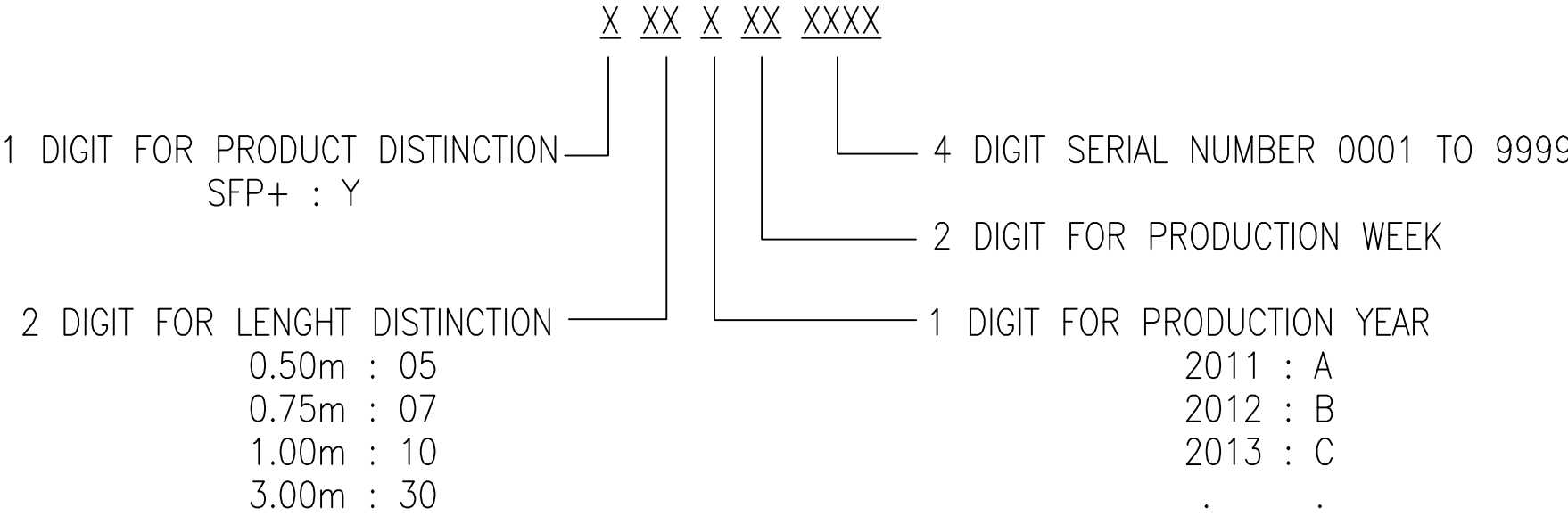
JACKET TYPE	MUNSELL COLOR
RED PVC	2.5R4/12
BLUE PVC	2.5PB4/10

				B	0063511	SEP 03,2015		YL	YL										
				A	0057015	SEP 16,2014		YL	YL										
DESIGN REFERENCE				NEXT ASSEMBLY				REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD						
DISTRIBUTION CODES								DRFT	YUNLONG		DATE	SEP 03,2015		MFG	EDDIE		DATE	SEP 03,2015	
								CHKD	YUNLONG		DATE	SEP 03,2015		APPVL	SAUJIT BANDHU		DATE	SEP 03,2015	
DIVISION ESD				DIVISION CODE				3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2016 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 1.3 1										TOLERANCES EXCEPT AS NOTED					
				INCHES				TITLE 3M™ PASSIVE TWIN AXIAL CABLE ASSEMBLY FOR SFP+ APPLICATIONS WITH UNIVERSAL PULL TAB AND BLUE / RED COLOR CABLE OPTIONS											
THIRD ANGLE PROJECTION				.0000 ± .000 ± .00 ± 0 ±															
INTERPRET PER ASME Y14.5 - 1994				MILLIMETERS				CAGE NUMBER SIZE DRAWING NO. REV. 78-5100-2649-1 B											
MAX SURFACE ROUGHNESS 125				0 ± .30 ± .15 ± .05 ±															
125				ALL SURFACES				DET. LISTS ☐ YES ☒ NO						SHT 1 OF 2					
125				MARKED ONLY															
125				ANGLES ±1°				MODEL											

LABEL DETAIL



SERIAL NUMBER (QR CODE) FORMAT:



P1/P2	
PIN NO.	SYMBOL
1	VeeT
2	Tx_Fault
3	Tx_Disable
4	SDA
5	SCL
6	Mod_ABS
7	RS0
8	Rx_LOS
9	RS1
10	VeeR

ASSEMBLY PINOUT

P1		P2	
B11	GND	B20	GND
B12	Rx-	B19	Tx-
B13	Rx+	B18	Tx+
B14	GND	B17	GND
B15	-	B16	-
B16	-	B15	-
B17	GND	B14	GND
B18	Tx+	B13	Rx+
B19	Tx-	B12	Rx-
B20	GND	B11	GND

PART NUMBER TABLE

3M™ CABLE ASSEMBLY P/N	CABLE COLOR	CABLE SIZE (AWG)	CABLE LENGTH (METERS) "M"	TOTAL LENGTH (METERS) "L"
1412-P20-06-1.00	RED	30 AWG	0.88	1.0
1412-P20-06-1.50	RED	30 AWG	1.38	1.5
1412-P20-06-2.00	RED	30 AWG	1.88	2.0
1412-P20-06-2.50	RED	30 AWG	2.38	2.5
1412-P20-06-3.00	RED	30 AWG	2.88	3.0
1412-P20-06-3.50	RED	30 AWG	3.38	3.5
1412-P20-06-4.00	RED	30 AWG	3.88	4.0
1412-P20-06-5.00	RED	30 AWG	4.88	5.0
1412-P21-06-1.00	BLUE	30 AWG	0.88	1.0
1412-P21-06-1.50	BLUE	30 AWG	1.38	1.5
1412-P21-06-2.00	BLUE	30 AWG	1.88	2.0
1412-P21-06-2.50	BLUE	30 AWG	2.38	2.5
1412-P21-06-3.00	BLUE	30 AWG	2.88	3.0
1412-P21-06-3.50	BLUE	30 AWG	3.38	3.5
1412-P21-06-4.00	BLUE	30 AWG	3.88	4.0
1412-P21-06-5.00	BLUE	30 AWG	4.88	5.0
1412-P31-06-4.00	RED	26 AWG	3.88	4.0
1412-P31-06-5.00	RED	26 AWG	4.88	5.0
1412-P31-06-6.00	RED	26 AWG	5.88	6.0
1412-P31-06-7.00	RED	26 AWG	6.88	7.0
1412-P32-06-4.00	BLUE	26 AWG	3.88	4.0
1412-P32-06-5.00	BLUE	26 AWG	4.88	5.0
1412-P32-06-6.00	BLUE	26 AWG	5.88	6.0
1412-P32-06-7.00	BLUE	26 AWG	6.88	7.0

DESIGN REFERENCE		NEXT ASSEMBLY		REFER TO PAGE 1				
DISTRIBUTION CODES				REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				DRFT		DATE	DATE	DATE
				YUNLONG		SEP 03,2015	EDDIE	SEP 03,2015
DIVISION		DIVISION CODE		CHKD		DATE	DATE	DATE
ESD				YUNLONG		SEP 03,2015	SAUJIT BANDHU	SEP 03,2015
DO NOT SCALE DRAWING		SCALE NTS		3M 3M Center St. Paul, MN 55144				
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		© 3M COPYRIGHT 2016 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.				
INTERPRET PER ASME Y14.5 - 1994		INCHES		TITLE				
MAX SURFACE ROUGHNESS		MILLIMETERS		3M™ PASSIVE TWIN AXIAL CABLE ASSEMBLY FOR SFP+ APPLICATIONS WITH UNIVERSAL PULL TAB AND BLUE / RED COLOR CABLE OPTIONS				
125		0		CAGE NUMBER		SIZE		REV.
✓		0		C		DRAWING NO.		B
ALL SURFACES		0		MODEL		78-5100-2649-1		
MARKED ONLY		0						
		ANGLES ±1°				DET. SHT 2 OF 2		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[1412-P21-06-4.00](#) [1412-P20-06-4.00](#)