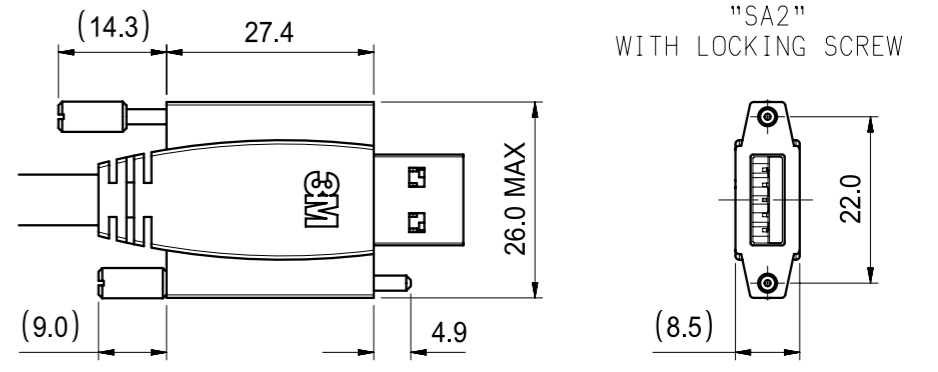
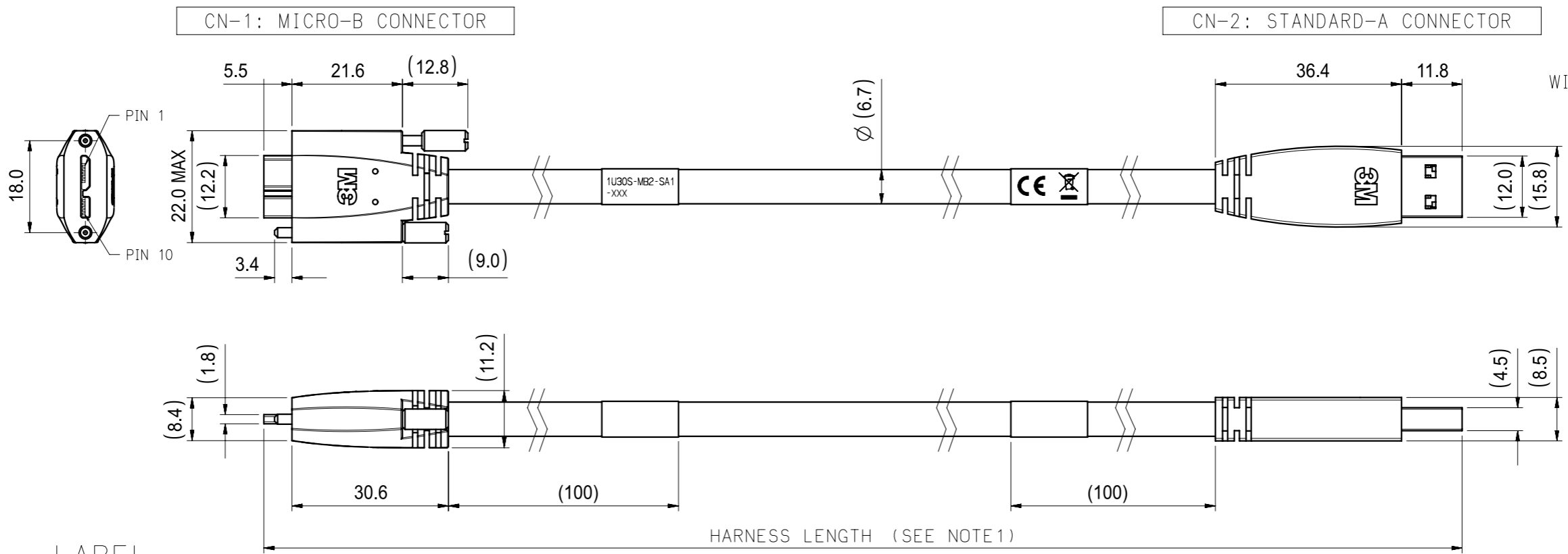


3M™ USB3 VISION INDUSTRIAL CAMERA CABLE ASSEMBLY, 1U30S SERIES

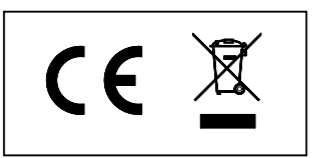
- USB3.0 SUPER SPEED DATA TRANSFER RATES UP TO 5Gbps
- HIGH TRANSMISSION CHARACTERISTICS
- HIGH FLEX CABLE FOR BENDING/SLIDING APPLICATION
- SECURE CONNECTION WITH LOCKING SCREW
- THIN CONNECTOR (STD-A) FOR TIGHT SPACE
- ROHS COMPLIANT
- CE MARKING

NOTES	
1	THE TOLERANCE OF HARNESS LENGTH IS LARGER VALUE OF EITHER +50mm/0 OR +3%/0 OF ORDER LENGTH



LABEL

1U30S-MB2-SAX ← 3M PART NUMBER
 -XXX
 YYYYYYYY ← LOT ID



TOLERANCES EXCEPT AS NOTED	DFTG M. NAITOU	DATE 9/30/21
INCHES	CHKD S. YOKOYAMA	DATE 9/30/21
.0 ± .5	MFG	DATE
.00 ± .20	APPVL Y. KAWATE	DATE 9/30/21
.000 ± N/A	© 3M COPYRIGHT 2021 THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M.	
ANGLES ±5°	THIRD ANGLE PROJECTION	

A	105100	INITIAL RELEASE	MAY 30,2022	MN	SY
REV.	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
3M		3M Center St. Paul, MN 55144	DIVISION	EMSD	MODEL
TITLE		USB3 VISION INDUSTRIAL CAMERA CABLE ASSEMBLY, 1U30S SERIES 1U30S-MB2-SAX-XXX			
FSCM NO.	SIZE	DRAWING NO.	REV.		
	A3	78-5100-2738-2	A		
SCALE		DET LISTS	<input type="checkbox"/> YES <input type="checkbox"/> NO	SHT 1 OF 3	

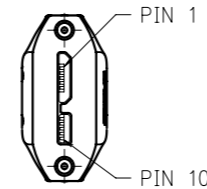
DRAWING NO. 78-5100-2738-2 A REV.

3M™ USB3 VISION INDUSTRIAL CAMERA CABLE ASSEMBLY, 1U30S SERIES

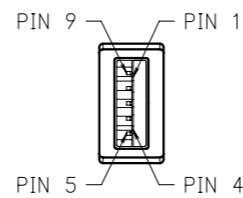
PIN ASSIGNMENT

CN-1 (MICRO-B)		CABLE	CN-2 (STANDARD-A)	
1	VBUS	PWR	VBUS	1
2	D-	UTP_D-	D-	2
3	D+	UTP_D+	D+	3
4	NC	-		
5	GND	GND_PWRrt	GND	4
6	MicB_SSTX-	SDP1-	StdA_SSRX-	5
7	MicB_SSTX+	SDP1+	StdA_SSRX+	6
8	GND_Drain	Drain for SDP1,2	GND_Drain	7
9	MicB_SSRX-	SDP2-	StdA_SSTX-	8
10	MicB_SSRX+	SDP2+	StdA_SSTX+	9
SHELL		Braid shield	SHELL	

MICRO-B



STANDARD-A



CABLE	
UL NUMBER	UL AWM STYLE 20276
TEMPERATURE AND VOLTAGE RATING	80° C / 30V
CURRENT RATING	1.5A(VBUS,GND), 0.2A(Others)
SHEATH MATERIAL	PVC
COLOR	BLACK
OUTER DIAMETER	6.7mm
FLAMMABILITY	VW-1

PERFORMANCE	
OPERABLE TRANSMISSION DISTANCE	>5m (6m Max*)
FLEX DURABILITY	10 MILLION CYCLES ** (WITH DRAG CHAIN R50mm)

ENVIRONMENTAL	
OPERATING TEMPERATURE	0 to 70° C

* DEPENDS ON USAGE CONDITIONS
** RESULT UNDER 3M TEST CONDITIONS

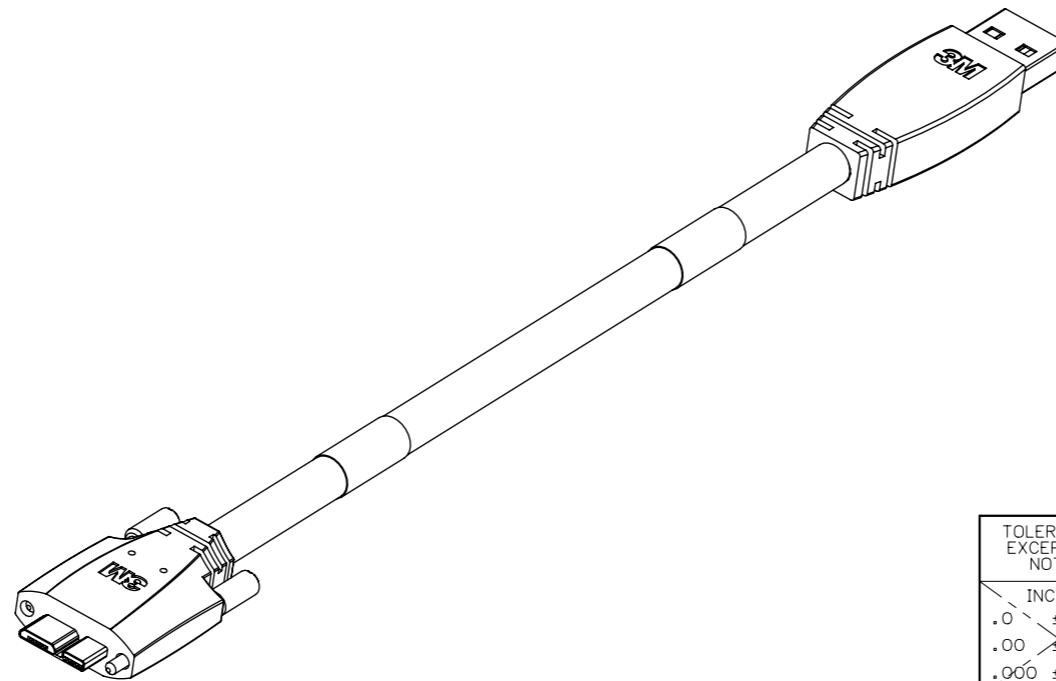
ORDERING INFORMATION

1U30S-MB2-SAX-XXX

CN-1 CONNECTOR: MB2 = MICRO-B STRAIGHT, WITH LOCKING SCREW
 CN-2 CONNECTOR: SA1 = STANDARD-A STRAIGHT, WITHOUT LOCKING SCREW
 SA2 = STANDARD-A STRAIGHT, WITH LOCKING SCREW
 HARNESS LENGTH (ex.150 : 1.50m)

3M PART NUMBER	HARNESS LENGTH
1U30S-MB2-SA1-100	1m
1U30S-MB2-SA1-150	1.5m
1U30S-MB2-SA1-200	2m
1U30S-MB2-SA1-250	2.5m
1U30S-MB2-SA1-300	3m
1U30S-MB2-SA1-350	3.5m
1U30S-MB2-SA1-400	4m
1U30S-MB2-SA1-450	4.5m
1U30S-MB2-SA1-500	5m
1U30S-MB2-SA2-100	1m
1U30S-MB2-SA2-150	1.5m
1U30S-MB2-SA2-200	2m
1U30S-MB2-SA2-250	2.5m
1U30S-MB2-SA2-300	3m
1U30S-MB2-SA2-350	3.5m
1U30S-MB2-SA2-400	4m
1U30S-MB2-SA2-450	4.5m
1U30S-MB2-SA2-500	5m

OTHER LENGTHS AVAILABLE BY SPECIAL ORDER, CONTACT 3M FOR DETAILS.



TOLERANCES EXCEPT AS NOTED	DFTG M.NAITOU	DATE 9/30/21
	CHKD S.YOKOYAMA	DATE 9/30/21
	MFG	DATE
	APPVL Y.KAWATE	DATE 9/30/21
INCHES .0 ± .5 .00 ± .20 .000 ±	© 3M COPYRIGHT 2021 THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M.	
MILLIMETERS .0 ± .5 .00 ± .20 .000 ± N/A	THIRD ANGLE PROJECTION	
ANGLES ±5°		

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REV.	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
3M Center St. Paul, MN 55144		DIVISION	EMSD	MODEL	
		DIVISION CODE			
TITLE USB3 VISION INDUSTRIAL CAMERA CABLE ASSEMBLY, 1U30S SERIES 1U30S-MB2-SAX-XXX					
FSCM NO.	SIZE	DRAWING NO.		REV.	
	A3	78-5100-2738-2		A	
SCALE		DET LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO		SHT 2 OF 3	

DRAWING NO. 78-5100-2738-2 A REV.

3M™ USB3 VISION INDUSTRIAL CAMERA CABLE ASSEMBLY, 1U30S SERIES

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

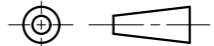
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A		105100	INITIAL RELEASE	MAY 30,2022	MN	SY	
REV.	ECO	ISSUE DATE AND DESCRIPTION			DRFT	CHKD	
DFTG		M. NAITOU	DATE	9/30/21	3M Center St. Paul, MN 55144		
CHKD		S. YOKOYAMA	DATE	9/30/21	DIVISION EMSD MODEL		
MFG			DATE		DIVISION CODE		
APPVL		Y. KAWATE	DATE	9/30/21	TITLE		
TOLERANCES EXCEPT AS NOTED		INCHES .0 ± .00 ± .000 ± MILLIMETERS .0 ± .5 .00 ± .20 .000 ± N/A ANGLES ±5°				© 3M COPYRIGHT 2021 THIS DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO 3M COMPANY. NO REPRODUCTION OR PUBLICATION OF THIS DOCUMENT, IN WHOLE OR IN PART, SHALL BE MADE WITHOUT AUTHORIZATION FROM 3M.	
THIRD ANGLE PROJECTION		 THIRD ANGLE PROJECTION				FSCM NO. SIZE DRAWING NO. REV. A3 78-5100-2738-2 A	
SCALE				DET LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO		SHT 3 OF 3	

DRAWING NO. 78-5100-2738-2 A REV.