

# 3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 14x26 SERIES

- SUPPORT CAMERA LINK STANDARD
- DOUBLE OVERALL SHEILDED CABLE AND EMI SHIELDED SHELL
- OPTIONAL R/A CONNECTOR ELIMINATE CABLE BENDING NEAR CAMERA
- OFFERING THINNER CABLE FOR BASE AND MEDIUM CONFIGURATION CAMERA
- ROHS COMPLIANT

NOTES	
1	THE TOLERANCE OF HARNESS LENGTH IS LARGER VALUE OF EITHER +50mm/0 OR +3%/0 OF ORDER LENGTH.
2	SEE TABLE-4 AND PART NUMBER SCHEME FOR IDENTIFYING CABLE LENGTHS IN SHEET4.

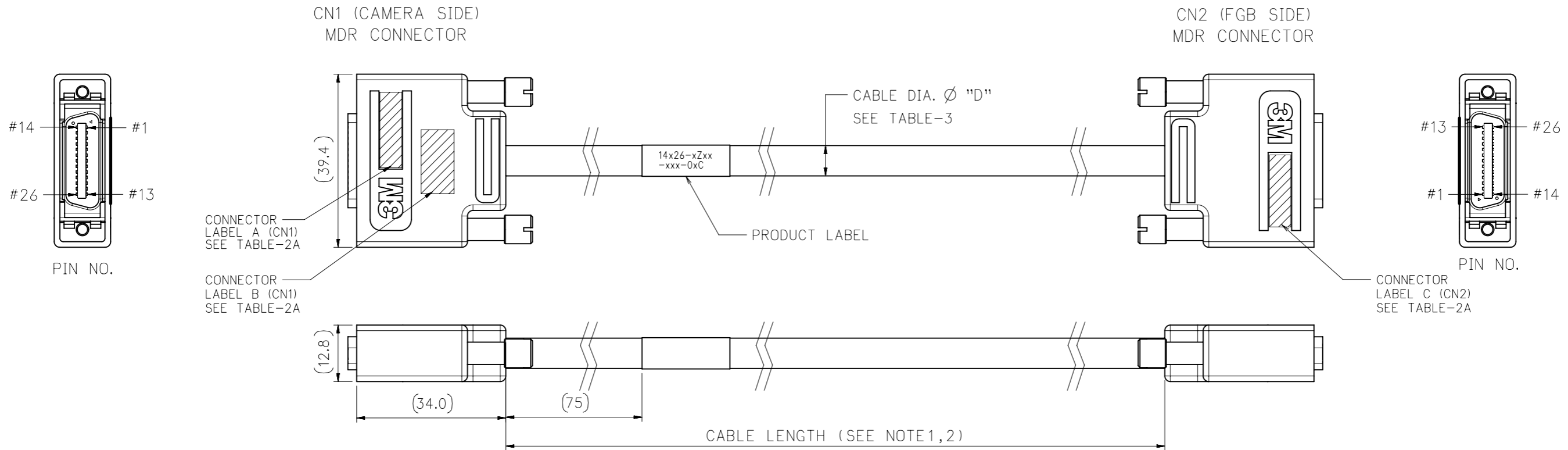


TABLE-1 PERFORMANCE	
TEMPERATURE RATING	80° C
VOLTAGE RATING	30V
CURRENT RATING	0.5A
DIFFERENTIAL IMPEDANCE	100 Ohm (HIGH SPEED LINE)
CABLE FLAMMABILITY	UL AWM VW-1
CONTACT PLATING	0.76 micron Au under Ni

TABLE-2A: CONNECTOR LABEL INDICATION (14B26-\*\*\*\*-xxx-0xC)

****	WZPx	WZMx	SZ3x	SZLx
LABEL A (CN1)	(NO LABEL)	PoCL	(NO LABEL)	(NO LABEL)
LABEL B (CN1)	PoCL Camera Side	(NO LABEL)	CAMERA SIDE	(NO LABEL)
LABEL C (CN2)	PoCL	PoCL	(NO LABEL)	(NO LABEL)

TOLERANCES EXCEPT AS NOTED	DFTG Y. KAWATE	DATE 10/29/23	3M Center St. Paul, MN 55144	DIVISION	EMSD	MODEL
	CHKD M. NAITOU	DATE 10/29/23		DIVISION CODE		
INCHES .0 ± .00 ± .000 ±	MFG	DATE	TITLE 3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 14x26 SERIES			
MILLIMETERS .0 ± .5 .00 ± .20 .000 ± N/A	APPVL Y. KAWATE	DATE 10/29/23	FSCM NO.	SIZE A3	DRAWING NO. 78-5100-2801-8	REV. A
ANGLES ±5°	THIRD ANGLE PROJECTION		SCALE	DET LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO	SHT 1 OF 5	

DRAWING NO. 78-5100-2801-8 REV. A

# 3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 14x26 SERIES

## RIGHT ANGLE CONNECTOR DIMENSIONS

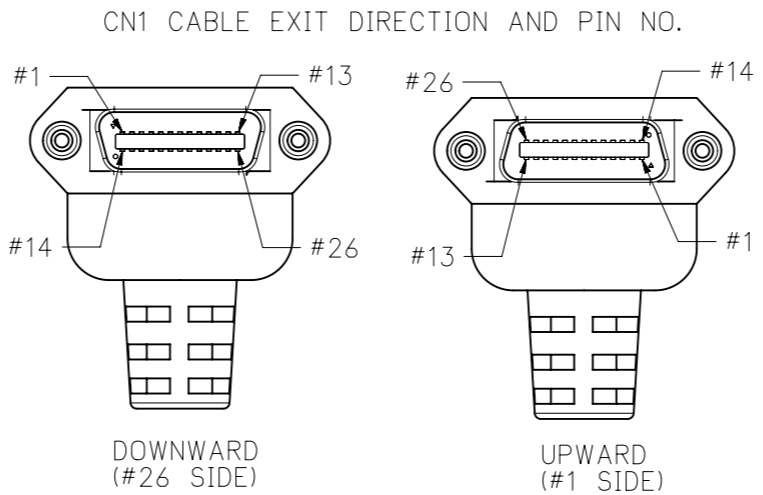
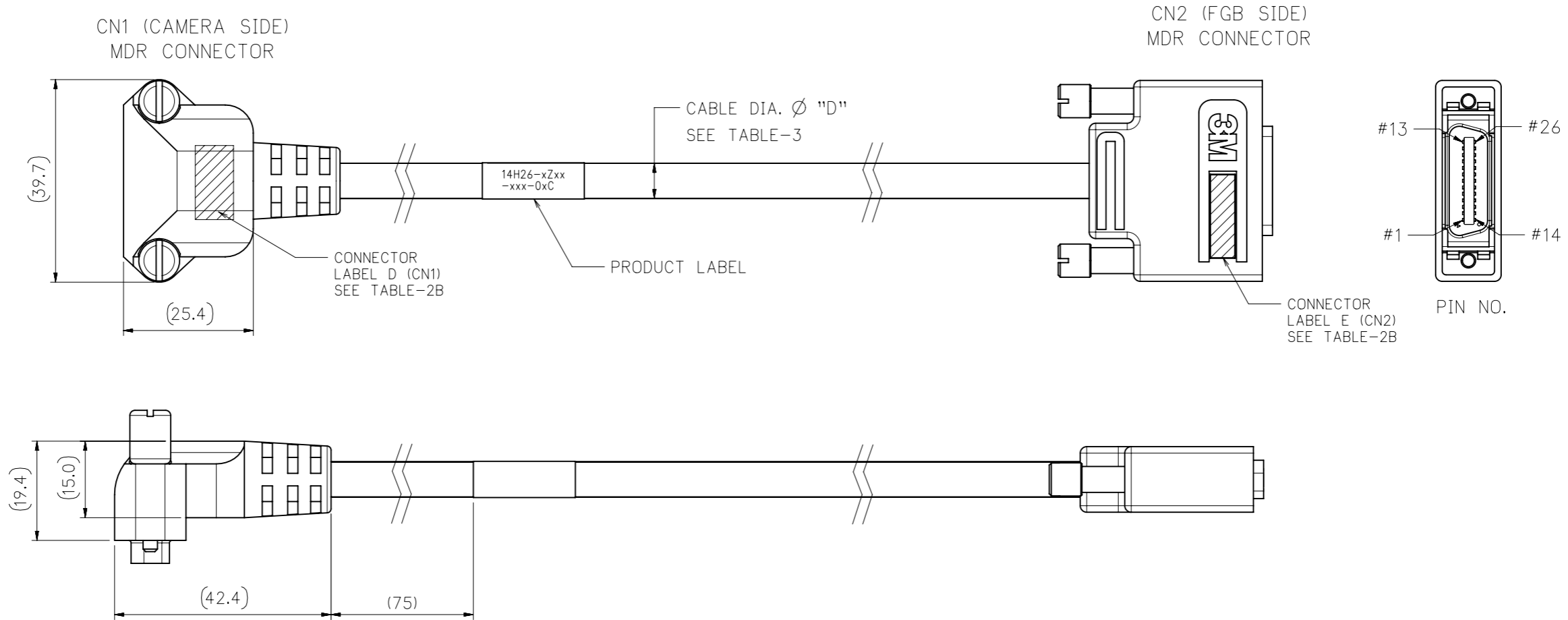


TABLE-2B: CONNECTOR LABEL INDICATION (14H26-\*\*\*\*-xxx-0xC)

****	WZPx	WZMx	SZ3x	SZLx
LABEL D (CN1)	PoCL Camera Side	PoCL	CAMERA SIDE	(NO LABEL)
LABEL E (CN2)	PoCL	PoCL	(NO LABEL)	(NO LABEL)

TOLERANCES EXCEPT AS NOTED	DFTG Y. KAWATE	DATE 10/29/23
INCHES	CHKD M. NAITOU	DATE 10/29/23
.0 ± .5	MFG	DATE
.00 ± .20	APPVLY. KAWATE	DATE 10/29/23
.000 ± N/A	© 3M COPYRIGHT 2023	
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ANGLES ±5°	THIRD ANGLE PROJECTION	

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REV.	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
3M		3M Center St. Paul, MN 55144	DIVISION EMSD	MODEL	
TITLE		3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 14x26 SERIES			
FSCM NO.	SIZE A3	DRAWING NO. 78-5100-2801-8		REV. A	
SCALE			DET LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO		SHT 2 OF 5

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# 3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 14x26 SERIES

## CONNECTOR PIN ASSIGNMENT

14x26-WZPx-xxx-03C  
POCL OR CAMERA LINK  
FOR BASE OR MEDIUM  
CONFIGURATIONS  
AND FIXED USE

14x26-WZPx-xxx-0RC  
POCL OR CAMERA LINK  
FOR BASE OR MEDIUM  
CONFIGURATIONS  
AND FLEX MOTION USE

14x26-WZMx-xxx-0LC  
POCL OR CAMERA LINK  
FOR ALL CONFIGURATIONS  
AND FIXED USE

14x26-SZ3x-xxx-03C  
CAMERA LINK (NON POCL)  
FOR BASE OR MEDIUM  
CONFIGURATIONS  
AND FIXED USE

14x26-SZLx-xxx-0LC  
CAMERA LINK (NON POCL)  
FOR ALL CONFIGURATIONS  
AND FIXED USE

CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
2	25	X0-	QUAD1
15	12	X0+	
3	24	X1-	
16	11	X1+	
4	23	X2-	QUAD2
17	10	X2+	
5	22	Xclk-	
18	9	Xclk+	
6	21	X3-	QUAD3
19	8	X3+	
7	20	SerTC+	
20	7	SerTC-	
8	19	SerTFG-	TWISTED PAIR 1
21	6	SerTFG+	TWISTED PAIR 2
9	18	CC1-	
22	5	CC1+	TWISTED PAIR 3
10	17	CC2+	
23	4	CC2-	TWISTED PAIR 4
11	16	CC3-	
24	3	CC3+	TWISTED PAIR 5
12	15	CC4+	
25	2	CC4-	TWISTED PAIR 6
1	1	Power	
26	26	Power	DRAIN WIRE
13	13	INNER SHIELD	
14	14	INNER SHIELD	
Shell	Shell	BRAID SHIELD	

CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
2	25	X0-	QUAD1
15	12	X0+	
3	24	X1-	
16	11	X1+	
4	23	X2-	QUAD2
17	10	X2+	
5	22	Xclk-	
18	9	Xclk+	
6	21	X3-	QUAD3
19	8	X3+	
7	20	SerTC+	
20	7	SerTC-	
8	19	SerTFG-	QUAD4
21	6	SerTFG+	
9	18	CC1-	QUAD5
22	5	CC1+	
10	17	CC2+	QUAD6
23	4	CC2-	
11	16	CC3-	DRAIN WIRE
24	3	CC3+	
12	15	CC4+	DRAIN WIRE
25	2	CC4-	
1	1	Power	DRAIN WIRE
26	26	Power	
13	13	INNER SHIELD	
14	14	INNER SHIELD	
Shell	Shell	BRAID SHIELD	

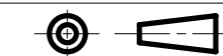
CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
2	25	Y0-	TWIN AXIAL 1
15	12	Y0+	TWIN AXIAL 2
3	24	Y1-	
16	11	Y1+	TWIN AXIAL 3
4	23	Y2-	
17	10	Y2+	TWIN AXIAL 4
5	22	Yclk-	
18	9	Yclk+	TWIN AXIAL 5
6	21	Y3-	
19	8	Y3+	TWIN AXIAL 6
7	20	100 ohm terminated	
20	7		TWIN AXIAL 7
8	19	Z0-	
21	6	Z0+	TWIN AXIAL 8
9	18	Z1-	
22	5	Z1+	TWIN AXIAL 9
10	17	Z2-	
23	4	Z2+	TWIN AXIAL 10
11	16	Zclk-	
24	3	Zclk+	TWIN AXIAL 11
12	15	Z3-	
25	2	Z3+	INDIVIDUAL WIRE 1
1	1	Power	
26	26	Power	INDIVIDUAL WIRE 2
13	13	INNER SHIELD	DRAIN WIRE
14	14	INNER SHIELD	
Shell	Shell	BRAID SHIELD	


CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
2	25	X0-	QUAD1
15	12	X0+	
3	24	X1-	
16	11	X1+	
4	23	X2-	QUAD2
17	10	X2+	
5	22	Xclk-	
18	9	Xclk+	
6	21	X3-	QUAD3
19	8	X3+	
7	20	SerTC+	
20	7	SerTC-	
8	19	SerTFG-	TWISTED PAIR 1
21	6	SerTFG+	TWISTED PAIR 2
9	18	CC1-	
22	5	CC1+	TWISTED PAIR 3
10	17	CC2+	
23	4	CC2-	TWISTED PAIR 4
11	16	CC3-	
24	3	CC3+	TWISTED PAIR 5
12	15	CC4+	
25	2	CC4-	DRAIN WIRE
1	26	INNER SHIELD	
13	14	INNER SHIELD	
14	13	INNER SHIELD	
26	1	NC	OPEN
Shell	Shell	BRAID SHIELD	

CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
2	25	Y0-	TWIN AXIAL 1
15	12	Y0+	TWIN AXIAL 2
3	24	Y1-	
16	11	Y1+	TWIN AXIAL 3
4	23	Y2-	
17	10	Y2+	TWIN AXIAL 4
5	22	Yclk-	
18	9	Yclk+	TWIN AXIAL 5
6	21	Y3-	
19	8	Y3+	TWIN AXIAL 6
7	20	100 ohm terminated	
20	7		TWIN AXIAL 7
8	19	Z0-	
21	6	Z0+	TWIN AXIAL 8
9	18	Z1-	
22	5	Z1+	TWIN AXIAL 9
10	17	Z2-	
23	4	Z2+	TWIN AXIAL 10
11	16	Zclk-	
24	3	Zclk+	TWIN AXIAL 11
12	15	Z3-	
25	2	Z3+	DRAIN WIRE
1	1	INNER SHIELD	
13	13	INNER SHIELD	
14	14	INNER SHIELD	
26	26	INNER SHIELD	DRAIN WIRE
Shell	Shell	BRAID SHIELD	

TABLE-3 CABLE TYPE AND DIAMETER

CABLE TYPE FOR	USE FOR	POWER OPTION	CONFIGURATION	CABLE DIAMETER "D" [mm]	COLOR
14x26-WZPx-xxx-03C	FIXED	POCL / CAMERA LINK	MEDIUM,BASE	6.9	GRAY
14x26-WZPx-xxx-0RC	FLEX MOTION	POCL / CAMERA LINK	MEDIUM,BASE	8.7	BLACK
14x26-WZMx-xxx-0LC	FIXED	POCL / CAMERA LINK	80BIT,74BIT,FULL,MEDIUM,BASE	9.0	BEIGE
14x26-SZ3x-xxx-03C	FIXED	CAMERA LINK (NON POCL)	MEDIUM,BASE	6.9	GRAY
14x26-SZLx-xxx-0LC	FIXED	CAMERA LINK (NON POCL)	80BIT,74BIT,FULL,MEDIUM,BASE	9.0	BEIGE

TOLERANCES EXCEPT AS NOTED INCHES .0 ± .5 .00 ± .20 .000 ± N/A MILLIMETERS .0 ± .5 .00 ± .20 .000 ± N/A ANGLES ±5°	DFTG Y. KAWATE	DATE 10/29/23
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	A3	78-5100-2801-8		A	
SCALE			DET LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO	SHT 3 OF 5	

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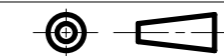
## ORDERING INFORMATION AND PRODUCT SELECTION TREE


APPLICATION	CAMERA LINK TYPE	CONFIGURATION	CABLE EXIT DIRECTION (CAMERA SIDE)	PART NUMBER (xxx: CABLE LENGTH [cm] SEE TABLE 4)
FIXED APPLICATION	PoCL or CL (non PoCL)	DECA(80bit) 74bit FULL Medium Base	STRAIGHT	14B26-WZMB-xxx-0LC
			RIGHT ANGLE DOWN (#26 SIDE) UP (# 1 SIDE)	14H26-WZMM-xxx-0LC 14H26-WZMS-xxx-0LC
	CL (non PoCL)	BASE MEDIUM	STRAIGHT	14B26-WZPB-xxx-03C
			RIGHT ANGLE DOWN (#26 SIDE) UP (# 1 SIDE)	14H26-WZPM-xxx-03C 14H26-WZPS-xxx-03C
	CL (non PoCL only)	DECA(80bit) 74bit FULL Medium Base	STRAIGHT	14B26-SZLB-xxx-0LC
			RIGHT ANGLE DOWN (#26 SIDE) UP (# 1 SIDE)	14H26-SZLM-xxx-0LC 14H26-SZLS-xxx-0LC
BASE MEDIUM	CL (non PoCL only)	STRAIGHT	14B26-SZ3B-xxx-03C	
		RIGHT ANGLE DOWN (#26 SIDE) UP (# 1 SIDE)	14H26-SZ3M-xxx-03C 14H26-SZ3S-xxx-03C	
FLEX MOTION APPLICATION	PoCL or CL (non PoCL)	BASE MEDIUM	STRAIGHT	14B26-WZPB-xxx-0RC
			RIGHT ANGLE DOWN (#26 SIDE) UP (# 1 SIDE)	14H26-WZPM-xxx-0RC 14H26-WZPS-xxx-0RC

TABLE-4: CABLE LENGTH CONVERSION CHART

A	10	H	17
B	11	J	18
C	12	K	19
D	13	L	20
E	14	M	21
F	15	N	22
G	16	P	23

Example  
050: 50cm  
B60: 1160cm

TOLERANCES EXCEPT AS NOTED	DFTG	Y.KAWATE	DATE	10/29/23
	CHKD	M.NAITOU	DATE	10/29/23
	MFG		DATE	
	APPVL	Y.KAWATE	DATE	10/29/23
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	A3	78-5100-2801-8		A	
SCALE			DET LISTS <input type="checkbox"/> YES <input type="checkbox"/> NO	SHT 4 OF 5	

DRAWING NO. 78-5100-2801-8 A REV.

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3M Company  
 Electronics Materials Solutions Division  
 13011 McCallen Pass, Bldg. C  
 Austin, TX 78753-5380  
 1-800-225-5373  
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