

3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR,
1WL26 SERIES

- SUPPORT CAMERA LINK STANDARD
- MALE TO FEMALE CONFIGRATION ENABLES USE AS AN EXTENSION
- DOUBLE OVERALL SHEILDDED CABLE AND EMI SHIELDED SHELL
- OFFERING THINNER CABLE FOR BASE AND MIDIUUM 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.

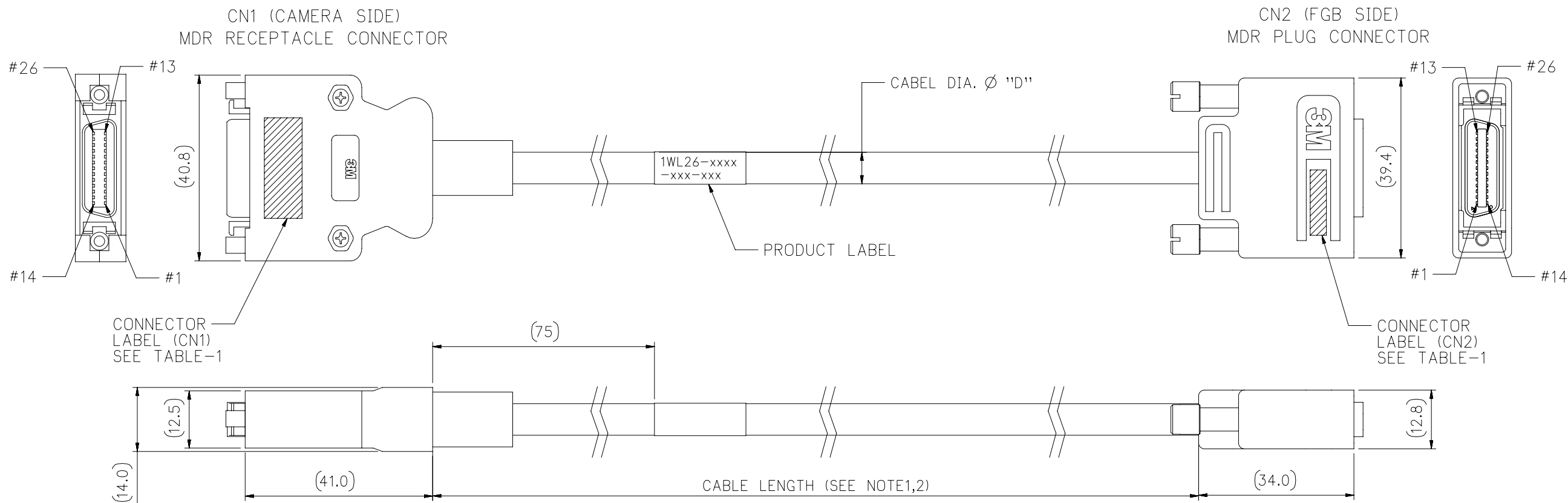


TABLE-1: CONNECTOR LABEL INDICATION

	1WL26-WZDB	1WL26-YZGB	1WL26-TZ3B	1WL26-TZLB
CN1	PoCL Camera Side	PoCL	CAMERA SIDE	NO LABEL
CN2	PoCL	PoCL	NO LABEL	NO LABEL

PRODUCT LABEL DETAIL

1WL26-xxxx ← 3M PART NUMBER (SEE SHEET3)
-xxx-xxx
yyyyyy ← LOT ID

TABLE-2

PERFORMANCE	
TEMPERATURE RATING	80° C
VOLTATE RATING	30 V
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

TOLERANCES EXCEPT AS NOTED	DFTG S.YOKOYAMA	DATE 10/27/23	3M	3M Center St. Paul, MN 55144	DIVISION EMSD	MODEL
INCHES .0 ± .00 .00 ± .000	CHKD M.NAITOU	DATE 10/27/23				
MILLIMETERS .0 ± .5 .00 ± .20 .000 ± N/A	MFG	DATE				
ANGLES ±5°	APPVL Y.KAWATE	DATE 10/27/23				
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	THIRD ANGLE PROJECTION					
	FSCM NO.	SIZE A3	DRAWING NO. 78-5100-2798-6	REV. A		
	SCALE		DET LISTS ☐ YES ☐ NO	SHT 1 OF 4		

DRAWING NO. 78-5100-2798-6 A

3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 1WL26 SERIES

CONNECTOR PIN ASSIGNMENT

1WL26-WZDB-xxx-03C
POCL OR CAMERA LINK
FOR BASE OR MEDIUM
CONFIGURATIONS
AND FIXED USE

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

1WL26-WZDB-xxx-0RC
POCL OR CAMERA LINK
FOR BASE OR MEDIUM
CONFIGURATIONS
AND FLEX MOTION USE

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

1WL26-YZGB-xxx-0LC
POCL OR CAMERA LINK
FOR ALL CONFIGURATIONS
AND FIXED USE

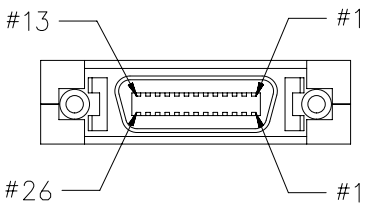
CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
25	25	Y0-	TWIN AXIAL 1
12	12	Y0+	TWIN AXIAL 2
24	24	Y1-	
11	11	Y1+	
23	23	Y2-	TWIN AXIAL 3
10	10	Y2+	TWIN AXIAL 4
22	22	Yclk-	
9	9	Yclk+	
21	21	Y3-	TWIN AXIAL 5
8	8	Y3+	TWIN AXIAL 6
20	20	100 ohm	
7	7	terminated	
19	19	Z0-	TWIN AXIAL 7
6	6	Z0+	TWIN AXIAL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

1WL26-TZ3B-xxx-03C
CAMERA LINK (NON POCL)
FOR BASE OR MEDIUM
CONFIGURATIONS
AND FIXED USE

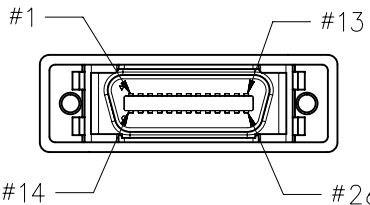
CN1 Pin No.	CN2 Pin No.	CAMERA LINK SIGNAL	CABLE
25	25	X0-	QUAD1
12	12	X0+	
24	24	X1-	
11	11	X1+	QUAD2
23	23	X2-	
10	10	X2+	
22	22	Xclk-	QUAD3
9	9	Xclk+	
21	21	X3-	
8	8	X3+	TWISTED PAIR 1
20	20	SerTC+	
7	7	SerTC-	
19	19	SerTFG-	TWISTED PAIR 2
6	6	SerTFG+	
18	18	CC1-	
5	5	CC1+	TWISTED PAIR 3
17	17	CC2+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

1WL26-TZLB-xxx-0LC
CAMERA LINK (NON POCL)
FOR ALL CONFIGURATIONS
AND FIXED USE

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



CN1 CAMERA SIDE



CN2 FRAME GRABBER BOARD SIDE

TABLE-3 CABLE TYPE AND DIAMETER

CABLE TYPE FOR	USE FOR	POWER OPTION	CONFIGURATION	CABLE DIAMETER "D" [mm]	COLOR
1WL26-WZDB-xxx-03C	FIXED	POCL / CAMERA LINK	MEDIUM,BASE	6.9	GRAY
1WL26-WZDB-xxx-0RC	FLEX MOTION	POCL / CAMERA LINK	MEDIUM,BASE	8.7	BLACK
1WL26-YZGB-xxx-0LC	FIXED	POCL / CAMERA LINK	80BIT,74BIT,FULL,MEDIUM,BASE	9.0	BEIGE
1WL26-TZ3B-xxx-03C	FIXED	CAMERA LINK (NON POCL)	MIDIUM,BASE	6.9	GRAY
1WL26-TZLB-xxx-0LC	FIXED	CAMERA LINK (NON POCL)	80BIT,74BIT,FULL,MEDIUM,BASE	9.0	BEIGE

TOLERANCES
EXCEPT AS
NOTED

INCHES

±

0.00

±

0.000

MILLIMETERS

±

0.5

±

0.20

±

N/A

ANGLES ±5°

DFTG S.YOKOYAMA

CHKD M.NAITOU

MFG

APPVL Y.KAWATE

DATE 10/27/23

DATE 10/27/23

DATE 10/27/23

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THIRD ANGLE PROJECTION

A 0112846

ECO

INITIAL RELEASE

OCT.27,2023

SY

MN

REV.

ECO

ISSUE DATE AND DESCRIPTION

DRFT

CHKD

3M

3M Center
St. Paul,
MN 55144

DIVISION

EMSD

MODEL

DIVISION CODE

TITLE

3M™ CAMERA LINK
INDUSTRIAL CAMERA CABLE ASSEMBLY,
MDR, 1WL26 SERIES

FSCM NO.

SIZE

A3

DRAWING NO.

78-5100-2798-6

REV.

A

SCALE

DET LISTS ☐ YES ☐ NO

SHT 2 OF 4

3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 1WL26 SERIES

ORDERING INFORMATION AND PRODUCT SELECTION TREE

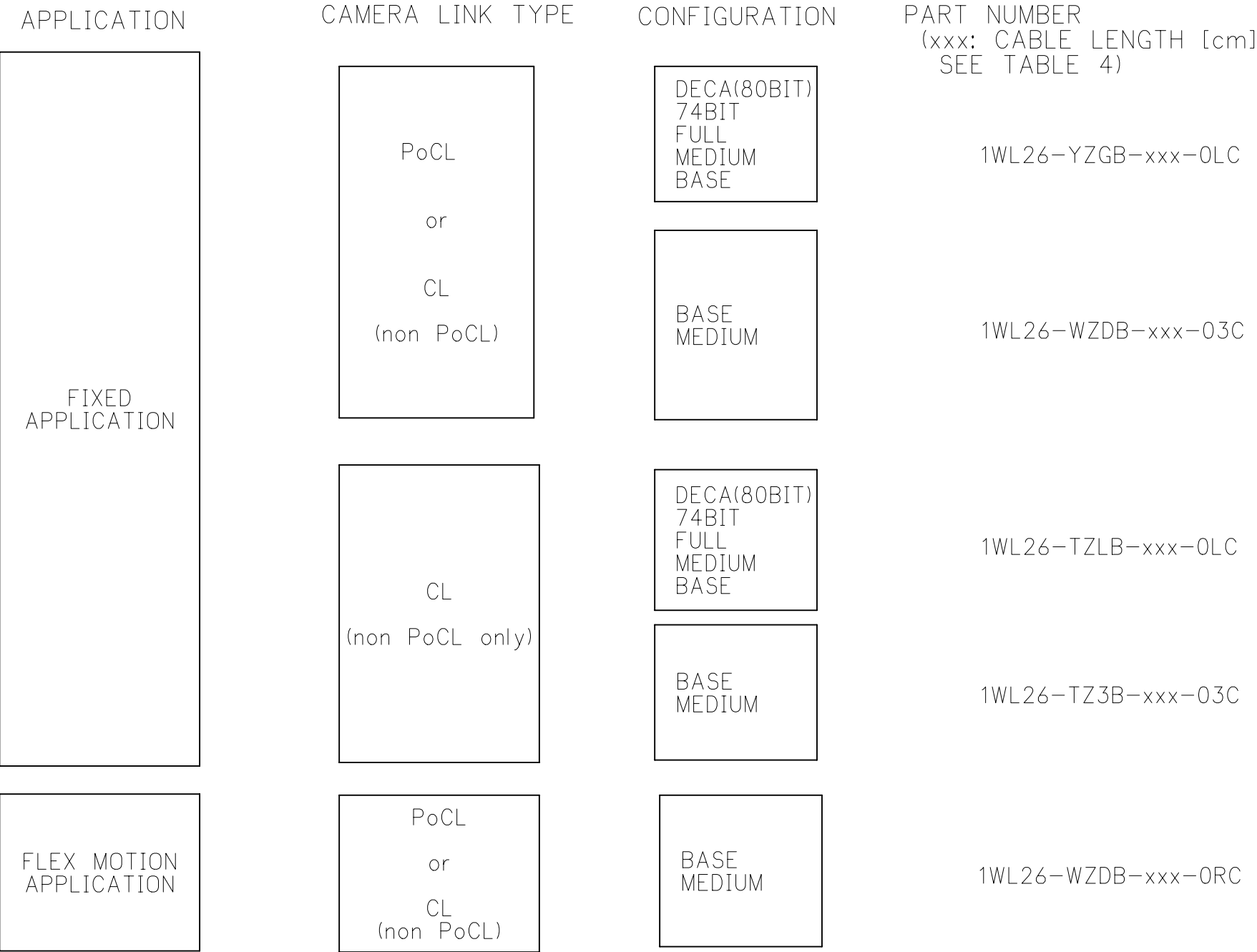


TABLE-4: CABLE LENGTH CONVERSION CHART

A	10	H	17	R	24
B	11	J	18	S	25
C	12	K	19	T	26
D	13	L	20	V	27
E	14	M	21	W	28
F	15	N	22	Y	29
G	16	P	23	Z	30

Example
050: 50cm
B60: 1160cm

TOLERANCES EXCEPT AS NOTED	DFTG	S.YOKOYAMA	DATE	10/27/23
	CHKD	M.NAITOU	DATE	10/27/23
	MFG		DATE	
	APPVL	Y.KAWATE	DATE	10/27/23
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3M	3M Center St. Paul, MN 55144	DIVISION	EMSD	MODEL
		DIVISION CODE		
TITLE 3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 1WL26 SERIES				
FSCM NO.	SIZE A3	DRAWING NO. 78-5100-2798-6		REV. A
SCALE		DET LISTS ☐ YES ☐ NO		SHT 3 OF 4

3M™ CAMERA LINK INDUSTRIAL CAMERA CABLE ASSEMBLY, MDR, 1WL26 SERIES

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A		0112846	INITIAL RELEASE		OCT.27,2023		SY	MN						
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DFTG		S.YOKOYAMA		DATE		10/27/23			3M Center St. Paul, MN 55144	DIVISION		EMSD		MODEL
CHKD		M.NAITOU		DATE		10/27/23				DIVISION CODE				
MFG				DATE										
APPVL		Y.KAWATE		DATE		10/27/23		TITLE						
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								SCALE		DET LISTS ☐ YES ☐ NO		SHT 4 OF 4		