

6

5

4

3

2

1

REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13347	01/03/2024	DZINN	REVANGELIS

F

E

D

C

B

A

LENGTH

 $2X \begin{matrix} 12^{+3} \\ -0 \end{matrix}$
 $\begin{bmatrix} 305^{+76} \\ 0 \end{bmatrix}$

2X HEAT SHRINK

8 FIBER SM OS2 MIL TAC CABLE
SEE CABLE CHARACTERISTICS
TABLE, SH2

Ø2mm FURCATION

Ø2mm FURCATION

LABELS:
FCA-8S2LCULCUDM
MFR: 335J8
SN: XXXXXXXXX

FIBER 1

FIBER 2

FIBER 3

FIBER 4

FIBER 5

FIBER 6

FIBER 7

FIBER 8

8X SIMPLEX
LC/UPC

END B

8X ID LABEL
PER PIN OUT
TABLE

END A

8X ID LABEL
PER PIN OUT
TABLE8X SIMPLEX
LC/UPC

ITEM NUMBER	LENGTH	
	METERS	FEET
FCA-8S2LCULCUDM-10	10	32.81
FCA-8S2LCULCUDM-15	15	49.21
FCA-8S2LCULCUDM-20	20	65.62

LENGTH (L)	LENGTH TOLERANCE
$L \leq 6M [19.69 FT]$	$+0.15 M [.49 FT] / -0$
$L > 6M [19.69 FT] \text{ \& } \leq 30M [98.43 FT]$	$+0.3 M [.98 FT] / -0$
$L > 30M [98.43 FT]$	$+1 M [3.28 FT] / -0$

PIN OUT	
END A	END B
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

NOTES:

- LC CONNECTOR ASSEMBLY POLISH TYPE: UPC
- CONNECTORS ARE SUPPLIED WITH DUST CAPS INSTALLED, NOT SHOWN.
- FABRICATED, INSPECTED, AND TESTED IAW IPC-A-640, CLASS 3.
- CABLE ASSEMBLY SHALL BE HAND COILED AND INDIVIDUALLY PACKAGED AND LABELED.

REGULATORY COMPLIANCE:
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION).

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X = ±2 [5]
.XX = ±0.02 [0.5]
.XXX = ±0.005 [0.13]
FRACTIONS
± 1/32
ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.
UN-DIMENSIONED/NON-CRITICAL FEATURES
MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE SHEET
NONE 1 OF 2

DESCRIPTION

DEPLOYABLE MIL TACTICAL CABLE ASSY, SM, OS2,
LC UPC 8X TO LC UPC 8X

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DZINN	FCA-8S2LCULCUDM	B

6

5

4

3

2

1

6 5 4 3 2 1

F

E

D

C

B

A

F

E

D

C

B


A

FIBER PERFORMANCE	
INDUSTRY STANDARD DESIGNATION	LOW WATER PEAK SINGLE-MODE ITU-T G.652.D
CORE/CLADDING DIAMETER (µm)	9/125
WAVELENGTH (nm)	1310/1550
PRIMARY COATING DIAMETER (µm)	500
SECONDARY BUFFER DIAMETER (µm)	900

MECHANICAL AND ENVIRONMENTAL	
IMPACT RESISTANCE TIA-455-25	1500 IMPACTS
CRUSH RESISTANCE TIA-455-41	1800 N/cm
FLEX RESISTANCE TIA-455-104	2000 CYCLES
OPERATING TEMPERATURE	-55°C TO +85°C
STORAGE TEMPERATURE	-70°C TO +85°C

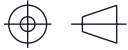
CABLE CHARACTERISTICS	
JACKET MATERIAL	POLYURETHANE
BUFFER MATERIAL	HARD ELASTOMERIC
CABLE DIAMETER	6.5 mm [.26 in]

INSTALLATION AND OPERATING CHARACTERISTICS		
	INSTALLATION	OPERATING
MAX TENSILE LOAD	1800 N [400 lbs]	600 N [130 lbs]
MIN BEND RADIUS	6.5 cm [2.6 in]	3.3 cm [1.3 in]



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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	2 OF 2

DESCRIPTION

DEPLOYABLE MIL TACTICAL CABLE ASSY, SM, OS2,
LC UPC 8X TO LC UPC 8X

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DZINN	FCA-8S2LCULCUDM	B

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