

6

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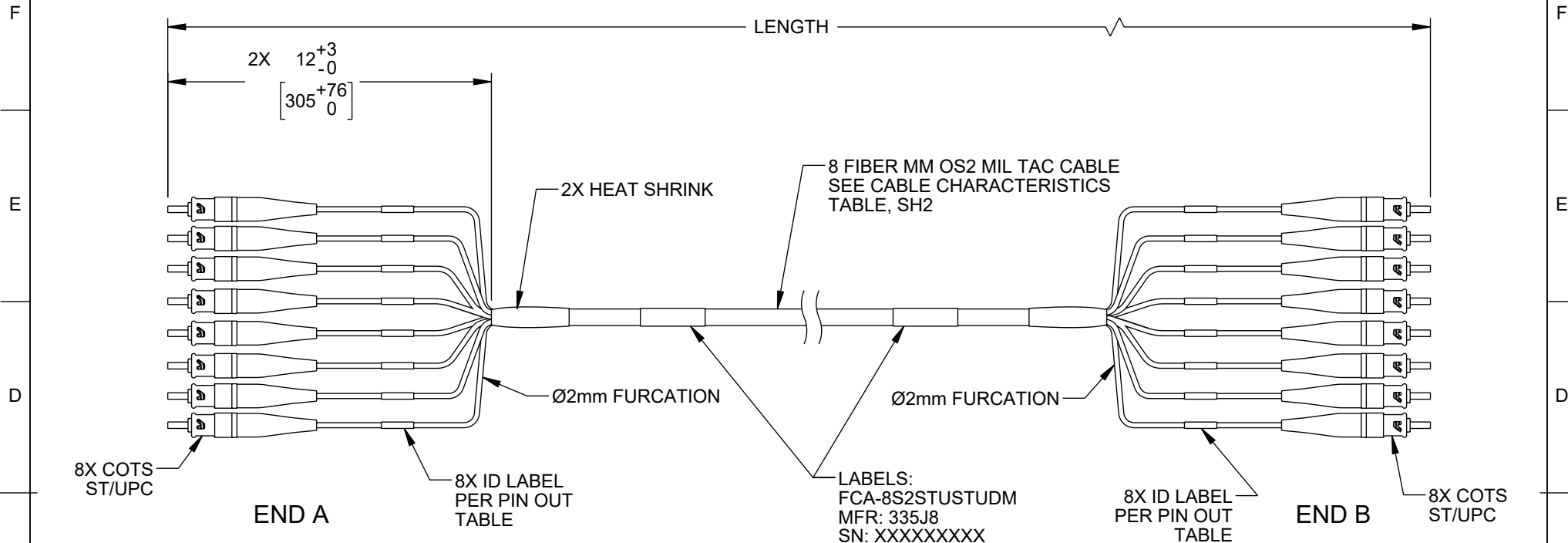
3

2

1

REVISION

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



ITEM NUMBER	LENGTH	
	METERS	FEET
FCA-8S2STUSTUDM-10	10	32.81
FCA-8S2STUSTUDM-15	15	49.21
FCA-8S2STUSTUDM-20	20	65.62

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

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

NOTES:

- ST 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] FRACTIONS
 .XX = ±.02 [0.5] ± 1/32
 .XXX = ±.005 [0.13] ANGLES ± 1°

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

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,
 ST UPC 8X TO ST UPC 8X

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DZINN	FCA-8S2STUSTUDM	B

6

5

4

3

2

1

6

5

4

3

2

1

F

F

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

E

E

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

D

D

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

C

C

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]

B

B

A

A

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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,
ST UPC 8X TO ST UPC 8X

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DZINN	FCA-8S2STUSTUDM	B

6

5

4

3

2

1