

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

F

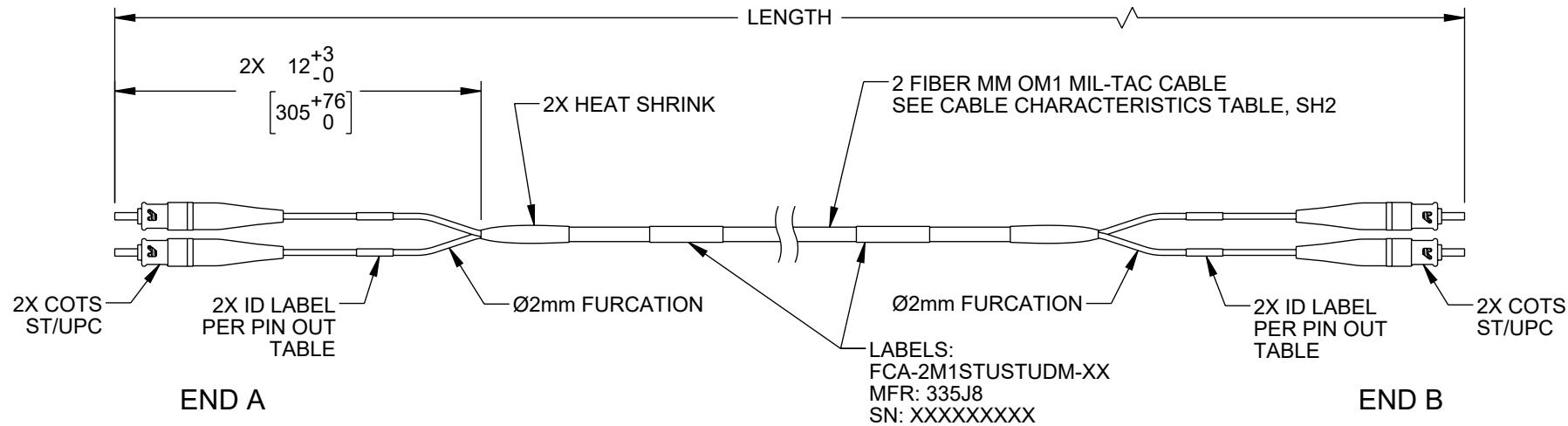
E

D

C

B

A



END A

END B

PIN OUT	
END A	END B
1	1
2	2

ITEM NUMBER	LENGTH	
	METERS	FEET
FCA-2M1STUSTUDM-10	10	32.81
FCA-2M1STUSTUDM-15	15	49.21
FCA-2M1STUSTUDM-20	20	65.62

LENGTH (L)	LENGTH TOLERANCE
L ≤ 6M [19.69 FT]	+0.15 M [.49 FT] / -0
L > 6M [19.69 FT] & ≤ 30M [98.43 FT]	+0.3 M [.98 FT] / -0
L > 30M [98.43 FT]	+1 M [3.28 FT] / -0

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

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, MM, OM1, ST UPC 2X TO ST UPC 2X

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DZINN	FCA-2M1STUSTUDM	B

6

5

4

3

2

1

F

F

FIBER PERFORMANCE	
INDUSTRY STANDARD DESIGNATION	OM1 ISO/IEC 11801
CORE/CLADDING DIAMETER (µm)	62.5/125
WAVELENGTH (nm)	850/1310
GIGABIT ETHERNET DISTANCE (M)	275/550
10-GIGABIT ETHERNET DISTANCE (M)	33/300
PRIMARY COATING DIAMETER (µm)	500
SECONDARY BUFFER DIAMETER (µm)	900

E

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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	5 mm [.20 in]

C

C

INSTALLATION AND OPERATING CHARACTERISTICS		
	INSTALLATION	OPERATING
MAX TENSILE LOAD	1800 N [400 lbs]	600 N [130 lbs]
MIN BEND RADIUS	5 cm [2.0 in]	2.5 cm [1.0 in]

B

B

A

A

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6

5

4

3

2

1