

6

5

4

3

2

1

REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	C	ECO-14665	06/16/2025	DMAY	

F

E

D

C

B

A

F

E

D

C

B

A

LENGTH

 4 ± 1.0
[102±25]

2X HEATSHRINK

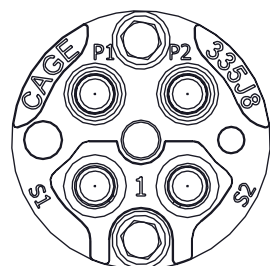
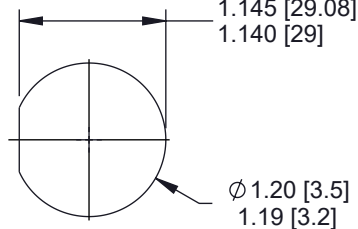
4 FIBER CABLE, OM1
BREAKOUT STYLELABEL 1
SEE NOTE 1 $18.0^{+3.0}_{-0.0}$
[457⁺⁷⁶₀] $3.5 \pm .5$
[89±13]

4X LABEL 2

4X LC/UPC
CONNECTOR

END B

END A

COTS 83526 TFOCA 2
RECEPTACLE
JAM NUT
INTERNAL, (EXTERNAL MOUNT) NO SRRINSERT CAP
FACE VIEWRECOMMENDED
MOUNTING HOLE

LABEL 1

FCA-M8-JNLCM1MT-XX
MRF: 335J8
SN: XXXXXXXXXXXXXXXXXX

LABEL 2

XX-LC

SEE TABLE 1

TABLE 1: PINOUT DIAGRAM

END A	FIBER	END B
S1	BLUE	S1-LC
S2	GREEN	S2-LC
P1	ORANGE	P1-LC
P2	BROWN	P2-LC

TABLE 2: CABLE LENGTH

PART NO.	FEET	METERS
FCA-M8-JNLCM1MT-1	3.3	1
FCA-M8-JNLCM1MT-3	9.8	3

NOTES:

- IDENTIFICATION LABEL PLACEMENT IS APPROX CENTERED.
- CABLE ASSEMBLY DELIVERED HAND COILED.
- FABRICATED, INSPECTED AND TESTED IN ACCORDANCE WITH IPC-A-640 CLASS 3.

CABLE LENGTH TOLERANCE:

- LESS THAN (OR EQUAL TO) 20FT: +6"
- GREATER THAN 20FT - 100FT: +12"
- GREATER THAN 100FT: +36"

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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:
≤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 NONE SHEET 1 OF 2

DESCRIPTION

COTS M83526 (TFOCA II EQUIVALENT) 83526/17 4 CHANNEL
JAM-NUT RECEPTACLE TO LC 4X OM1 62.5/125/2mm, 3m

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	SREITER	FCA-M8-JNLCM1MT-3	C

6

5

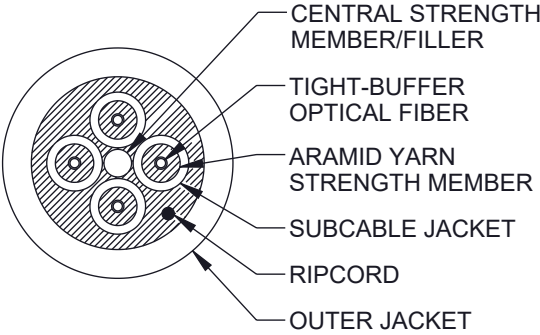
4

3

2

1

4 CHANNEL
B-SERIES BREAKOUT – MIL-TAC CABLES



FIBER PERFORMANCE

INDUSTRY STANDARD DESIGNATION	OM1 ISO/IEC 11801
CORE/CLADDING DIAMETER (µm)	62.5/125
WAVELENGTH (nm)	850/1310
SECONDARY BUFFER DIAMETER (µm)	900

MECHANICAL AND ENVIRONMENTAL

IMPACT RESISTANCE TIA-455-25	1500 IMPACTS
CRUSH RESISTANCE TIA-455-41	2200 N/cm
OPERATING TEMPERATURE	-55°C TO +85°C
STORAGE TEMPERATURE	-70°C TO +85°C

INSTALLATION AND OPERATING CHARACTERISTICS

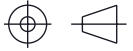
	INSTALLATION	OPERATING
MAX TENSILE LOAD	2,200 N (490 lbs)	550 N (120 lbs)
MIN BEND RADIUS	7.5 cm (3.0 in)	3.8 cm (1.5 in)

CABLE CHARACTERISTICS

JACKET COLOR	BLACK
JACKET MATERIAL	POLYURETHANE
BUFFER MATERIAL	HARD ELASTOMERIC
SUBUNIT OD	2.0 mm
CABLE DIAMETER	7.5 mm (0.30 in)

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	2 OF 2

DESCRIPTION

COTS M83526 (TFOCA II EQUIVALENT) 83526/17 4 CHANNEL
JAM-NUT RECEPTACLE TO LC 4X OM1 62.5/125/2mm, 3m

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	SREITER	FCA-M8-JNLCM1MT-3	C

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