

6

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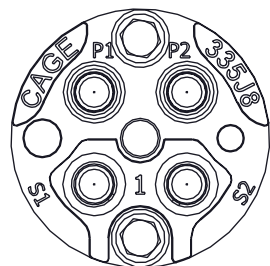
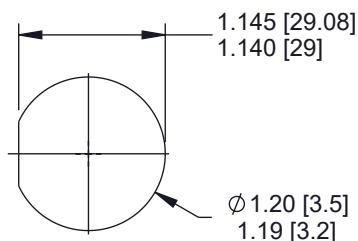
1

REVISION

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	C	ECO-14665	06/17/2025	DMAY	

END A

END B

INSERT CAP
FACE VIEWRECOMMENDED
MOUNTING HOLE

NOTES:

1. IDENTIFICATION LABEL PLACEMENT IS APPROX CENTERED.
2. CABLE ASSEMBLY DELIVERED HAND COILED.
3. 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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6

5

4

3

2

1

LENGTH

4±1.0
[102±25]

2X HEATSHRINK

4 FIBER CABLE, SM
BREAKOUT STYLELABEL 1
SEE NOTE 1COTS 83526 TFOCA 2
RECEPTACLE
JAM NUT
INTERNAL, (EXTERNAL MOUNT) NO SRR

4X LABEL 2

4X ST/UPC
CONNECTOR

LABEL 1

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

LABEL 2

XX-ST

SEE TABLE 1

TABLE 1: PINOUT DIAGRAM

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

TABLE 2: CABLE LENGTH

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

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

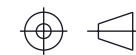
TOLERANCES:
X = ±.2 [5] FRACTIONS
XX = ±.02 [0.5] ± 1/32
XXX = ±.005 [0.13] ANGLES ± 1°

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

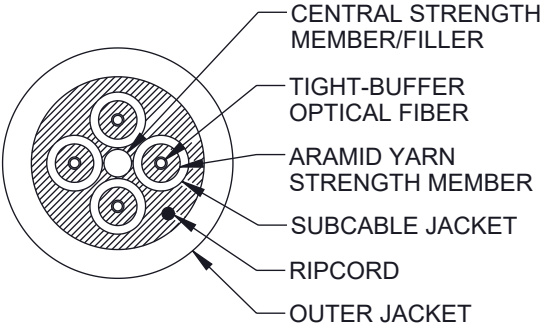
SCALE NONE SHEET 1 OF 2

DESCRIPTION

COTS M83526 (TFOCA II EQUIVALENT) 83526/17 4 CHANNEL
JAM-NUT RECEPTACLE TO ST PC 4X SM 9/125/2mm, 3m

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

4 CHANNEL
BREAKOUT – MIL-TAC CABLES



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
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 ST PC 4X SM 9/125/2mm, 3m

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