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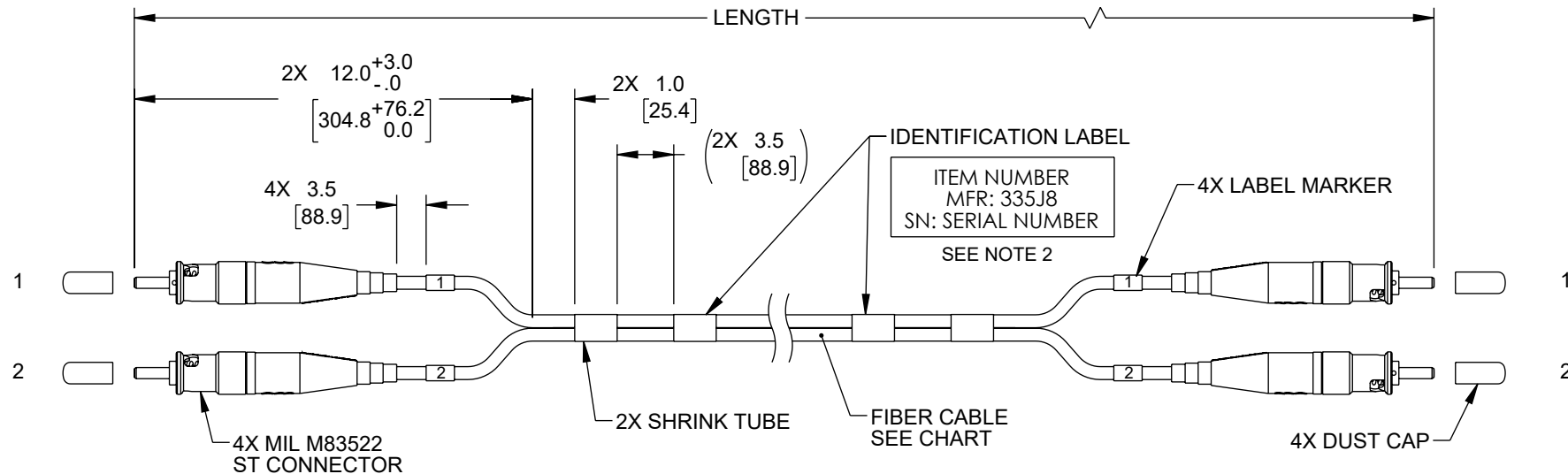
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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/25/2023	DFRISIELLO	PHOSPODAR

**FIBER PERFORMANCE**

INDUSTRY STANDARD	OM3 LASER OPTIMIZED (ISO/IEC 11801)
CORE/CLADDING DIAMETER (μm)	50/125
WAVELENGTH (nm)	850/1310
GIGABIT ETHERNET DISTANCE (M)	1000/600
10-GIGABIT ETHERNET DISTANCE (M)	300/300
PRIMARY COATING DIAMETER (μm)	500
SECONDARY BUFFER DIAMETER (μm)	900

**INSTALLATION AND OPERATING CHARACTERISTICS**

	INSTALLATION	OPERATING
MAX. TENSILE LOAD	600 N (135 lbs)	300 N (67 lbs)
MIN. BEND RADIUS	2.0 cm (0.8 in)	1.0 cm (0.4 in)

**MECHANICAL AND ENVIRONMENTAL**

FLEX RESISTANCE TIA-455-104 (MIL. REQ)	7,500 CYCLES
CRUSH RESISTANCE TIA-455-41 (MIL. REQ)	750 N/cm
OPERATING TEMPERATURE	-55° C TO +85° C
STORAGE TEMPERATURE	-70° C TO +85° C

**CABLE CHARACTERISTICS**

JACKET COLOR	BLACK
JACKET MATERIAL	FLAME RETARDANT TACTICAL POLYURETHANE
BUFFER MATERIAL	HARD ELASTOMERIC
CABLE DIAMETER	2.0 x 4.5 mm (0.08 x 0.18 in)

ITEM NUMBER	LENGTH/TOL.
FCA-MSTMSTM3DXMT-05	5.0 METERS +0.15M/0
FCA-MSTMSTM3DXMT-10	10.0 METERS +0.3M/0
FCA-MSTMSTM3DXMT-15	15.0 METERS +0.3M/0
FCA-MSTMSTM3DXMT-20	20.0 METERS +0.3M/0

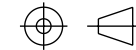
**NOTES:**

- ALL CABLE ASSEMBLIES TO BE SUPPLIED WITH A TEST REPORT.
- IDENTIFICATION LABELS ARE YELLOW M23053/5.
- CABLE ASSEMBLY IS PACKAGED HAND COILED.
- FABRICATED, INSPECTED, AND TESTED IAW IPC-A-640, CLASS 3.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
X = ±2 [5]	FRACTIONS ± 1/32
.XX = ±0.02 [0.5]	ANGLES ± 1°
.XXX = ±0.005 [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  
NONE

SHEET  
1 OF 1

DESCRIPTION  
2X ST-MIL C-83522 CONNECTOR TO 2X ST-MIL C-83522, MM,  
OM3, 2.0mm MIL TACTICAL

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DFRISIELLO	FCA-MSTMSTM3DXMT	A

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