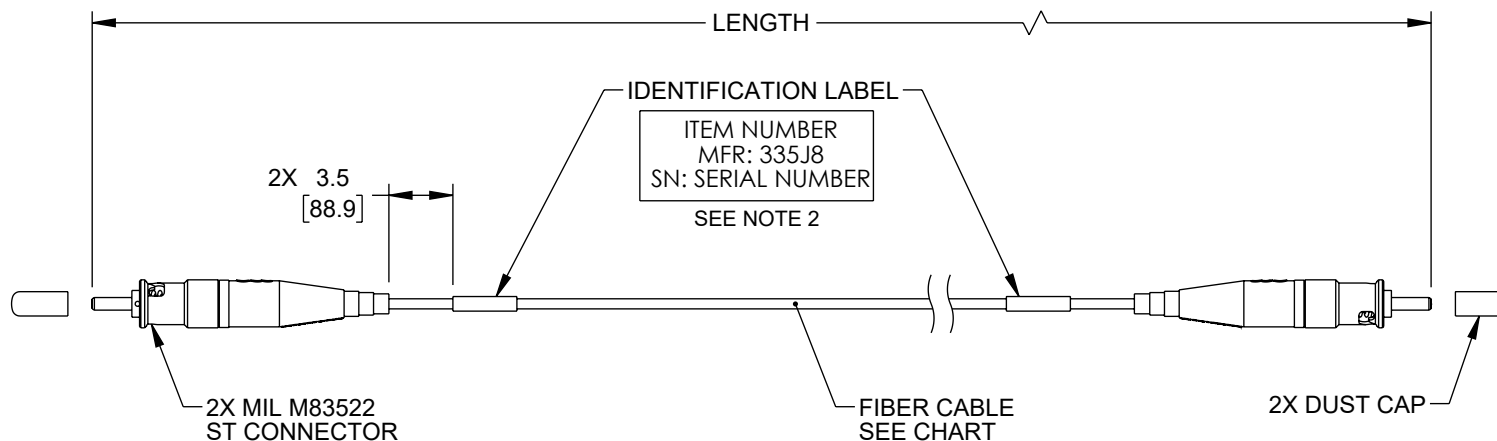


REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/25/2023	DFRISIELLO	PHOSPODAR



FIBER PERFORMANCE	
INDUSTRY STANDARD	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
INSTALLATION AND OPERATING CHARACTERISTICS	
	INSTALLATION
MAX. TENSILE LOAD	300 N (67 lbs)
MIN. BEND RADIUS	2.0 cm (0.8 in)
	OPERATING
	160 N (36 lbs)
	1.0 cm (0.4 in)
MECHANICAL AND ENVIRONMENTAL	
FLEX RESISTANCE TIA-455-104 (MIL. REQ)	2,000 CYCLES
CRUSH RESISTANCE TIA-455-41 (MIL. REQ)	500 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 mm (0.08 in)

ITEM NUMBER	LENGTH/TOL.
FCA-MSTMSTM1SXMT-01	1.0 METER +0.15M/-0
FCA-MSTMSTM1SXMT-03	3.0 METER +0.15M/-0
FCA-MSTMSTM1SXMT-05	5.0 METER +0.15M/-0

NOTES:

1. ALL CABLE ASSEMBLIES TO BE SUPPLIED WITH A TEST REPORT.
2. IDENTIFICATION LABELS ARE YELLOW M23053/5. IF THE LENGTH IS < 1.5 METER, A SINGLE IDENTIFICATION LABEL WILL BE PLACED IN THE CENTER OF THE ASSEMBLY.
3. CABLE ASSEMBLY IS PACKAGED HAND COILED.
4. FABRICATED, INSPECTED, AND TESTED IAW IPC-A-640, CLASS 3.

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

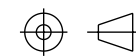
TOLERANCES:
 X = ±.2 [5] FRACTIONS
 .XX = ±.02 [0.5] ± 1/32
 .XXX = ±.005 [0.13] ANGLES ± 1°

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	SHEET
NONE	1 OF 1

DESCRIPTION
ST - Mil C-83522 CONNECTOR TO ST - Mil C-83522, MM, OM1,
2.0mm MIL TACTICAL

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DFRISIELLO	FCA-MSTMSTM1SXMT	A