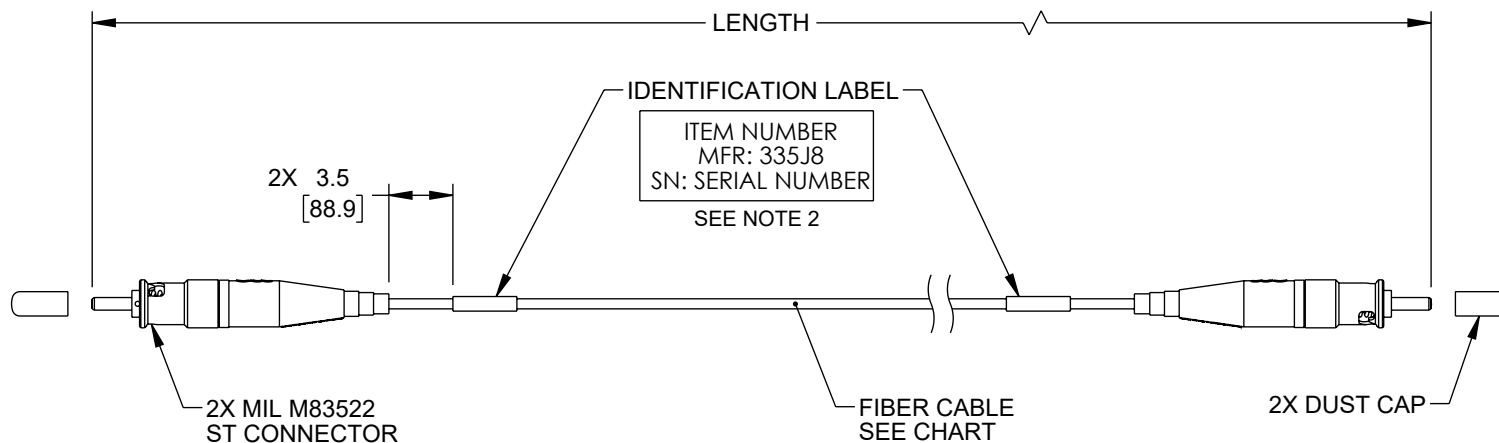


REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/25/2023	DFRISIELLO	PHOSPODAR



FIBER PERFORMANCE		
INDUSTRY STANDARD	OM1 (ISO/IEC 11801)	
CORE/CLADDING DIAMETER (µm)	62.5/125	
WAVELENGTH (nm)	850/1310	
GIGABIT ETHERNET DISTANCE (M)	300/600	
10-GIGABIT ETHERNET DISTANCE (M)	33/300	
PRIMARY COATING DIAMETER (µm)	245	
SECONDARY BUFFER DIAMETER (µm)	900	
INSTALLATION AND OPERATING CHARACTERISTICS		
	INSTALLATION	OPERATING
MAX. TENSILE LOAD	300 N (67 lbs)	160 N (36 lbs)
MIN. BEND RADIUS	3.8 cm (1.5 in)	2.5 cm (1.0 in)
MECHANICAL AND ENVIRONMENTAL		
FLEX RESISTANCE TIA-455-104	1,000 CYCLES	
CRUSH RESISTANCE TIA-455-41	500 N/cm	
OPERATING TEMPERATURE	-40° C TO +85° C	
STORAGE TEMPERATURE	-40° C TO +85° C	
CABLE CHARACTERISTICS		
JACKET COLOR	ORANGE	
JACKET MATERIAL	LOW SMOKE ZERO HALOGEN	
BUFFER MATERIAL	HARD ELASTOMERIC	
CABLE DIAMETER	2.0 mm (0.08 in)	

ITEM NUMBER	LENGTH/TOL.
FCA-MSTMSTM1SXLS-01	1.0 METER +0.15M/-0
FCA-MSTMSTM1SXLS-03	3.0 METER +0.15M/-0
FCA-MSTMSTM1SXLS-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

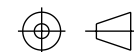
TOLERANCES:  
 .X = ±.2 [5]      FRACTIONS ± 1/32  
 .XX = ±.02 [0.5]      ANGLES ± 1°  
 .XXX = ±.005 [0.13]

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: NONE      SHEET: 1 OF 1

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

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DFRISIELLO	FCA-MSTMSTM1SXLS	A