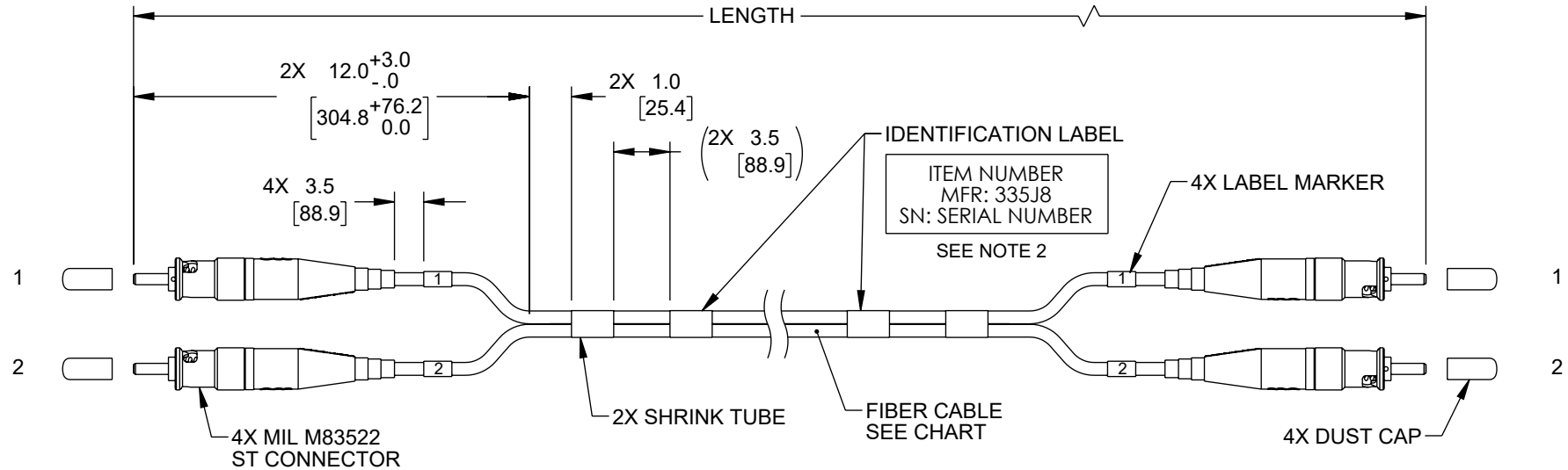


REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/26/2023	DFRISIELLO	PHOSPODAR



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
MAX. TENSILE LOAD	600 N (135 lbs)
MIN. BEND RADIUS	3.8 cm (1.5 in)
	OPERATING
	300 N (67 lbs)
	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 +70° C
STORAGE TEMPERATURE	-40° C TO +70° C
CABLE CHARACTERISTICS	
JACKET COLOR	BLACK
JACKET MATERIAL	LOW SMOKE ZERO HALOGEN
BUFFER MATERIAL	HARD ELASTOMERIC
CABLE DIAMETER	2.0 x 4.5 mm (0.08 x 0.18 in)

ITEM NUMBER	LENGTH/TOL.
FCA-MSTMSTM1DXLS-05	5.0 METERS +0.15M/0
FCA-MSTMSTM1DXLS-10	10.0 METERS +0.3M/0
FCA-MSTMSTM1DXLS-15	15.0 METERS +0.3M/0
FCA-MSTMSTM1DXLS-20	20.0 METERS +0.3M/0

NOTES:

1. ALL CABLE ASSEMBLIES TO BE SUPPLIED WITH A TEST REPORT.
2. IDENTIFICATION LABELS ARE YELLOW M23053/5.
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

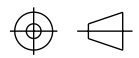
TOLERANCES:
 .X = ±.2 [5] FRACTIONS
 .XX = ±.02 [0.5] ± 1/32
 .XXX = ±.005 [0.13] ANGLES ± 1°

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
 2X ST-MIL C-83522 CONNECTOR TO 2X ST-MIL C-83522, MM, OM1, 2.0mm LSZH

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DFRISIELLO	FCA-MSTMSTM1DXLS	A