

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/24/2023	DFRISIELLO	PHOSPODAR

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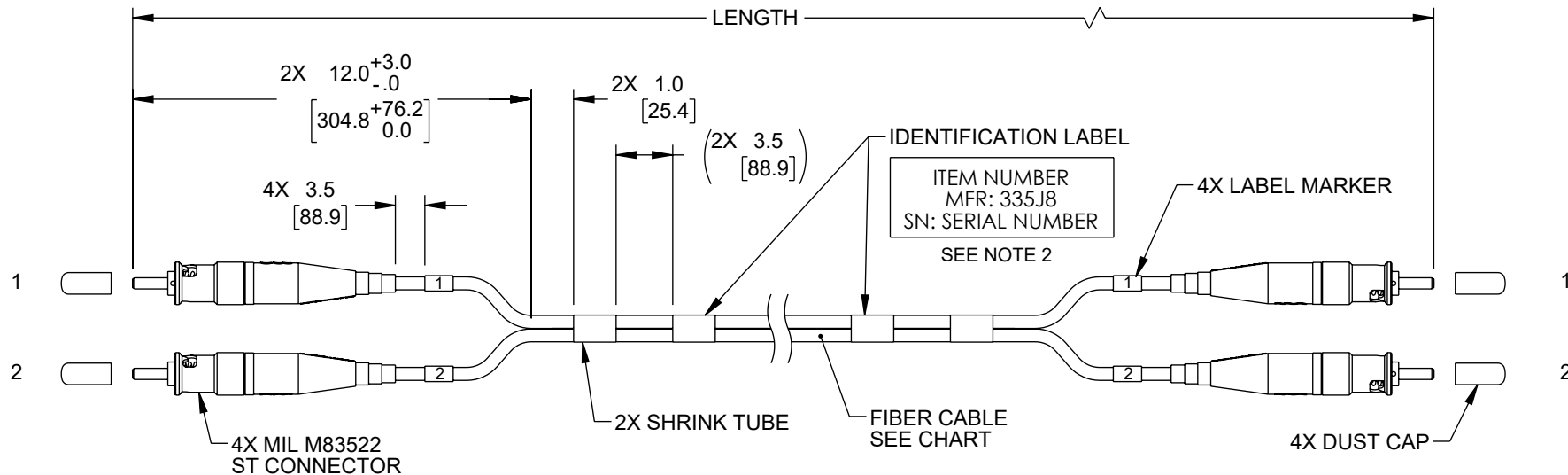
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FIBER PERFORMANCE	
INDUSTRY STANDARD	OM1 (ISO/IEC 11801)
CORE/CLADDING DIAMETER (µm)	62.5/125
WAVELENGTH (nm)	850/1310
GIGABIT ETHERNET DISTANCE (M)	275/550
10-GIGABIT ETHERNET DISTANCE (M)	33/300
PRIMARY COATING DIAMETER (µm)	500
SECONDARY BUFFER DIAMETER (µm)	900
INSTALLATION AND OPERATING CHARACTERISTICS	
	INSTALLATION 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 ENVIROMENTAL	
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-MSTMSTM1DXMT-05	5.0 METERS +0.15M/0
FCA-MSTMSTM1DXMT-10	10.0 METERS +0.3M/0
FCA-MSTMSTM1DXMT-15	15.0 METERS +0.3M/0
FCA-MSTMSTM1DXMT-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 ± 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	 an INFINIT® brand Website: www.L-com.com Phone: 1.800.341.5266 1.978.682.6936	 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, OM1, 2.0mm MIL TACTICAL	
SIZE A	CAGE CODE 43321	DRAWN BY DFRISIELLO	ITEM NO. FCA-MSTMSTM1DXMT	REV A