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LOC
ESDIST
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REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

B

ECR-12-016499

19SEP12

ZZ

AZ

1 OPTICAL FIBER SPECIFICATIONS:

PART NUMBER	FIBER TYPE	CABLE TYPE	ATTENUATION dB/km					OFL BANDWIDTH MHz–Km	
				850nm	1300nm	1310nm	1550nm	850nm	1300nm
X-1859417-1	62.5/125	OM1	MAXIMUM	3.5	1.5	N/A	N/A	200	600
X-1859417-2	50/125	OM2	MAXIMUM	3.5	1.5	N/A	N/A	500	500
X-1859417-3	50/125	OM3	MAXIMUM	3.5	1.5	N/A	N/A	1500	500
X-1859417-4	SM,G652D	OS2	MAXIMUM	N/A	N/A	0.44	0.44	N/A	N/A
X-1859417-5	50/125	OM4	MAXIMUM	3.5	1.5	N/A	N/A	3500	500

2 TIGHT BUFFER: 900µm. OPTICAL FIBERS TO BE COLOR-CODED BLUE, ORANGE, GREEN, BROWN PER TIA/EIA-598.

3 CONSTRUCTION:
A. ARAMID YARN STRENGTH MEMBERS.
B. OUTER JACKET MATERIAL TO BE FLAME RETARDANT PVC (OFNR).
C. JACKET COLOR TO BE ORANGE FOR OM1& OM2, AQUA FOR OM3 & OM4, YELLOW FOR SM.

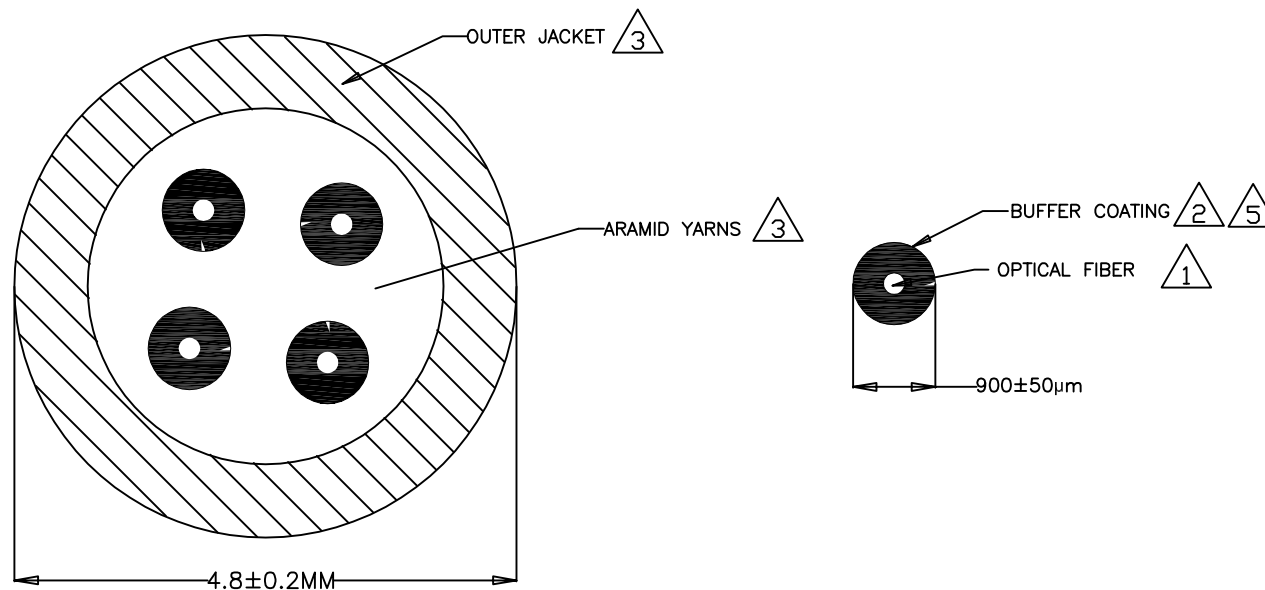
4 CABLE RATINGS:
A. STORAGE TEMPERATURE: -40°C TO +70°C.
B. OPERATING TEMPERATURE: -20°C TO +70°C.
C. INSTALLATION TEMPERATURE: -10°C TO +60°C.
D. MAXIMUM TENSILE STRENGTH FOR INSTALLATION: 660 N.
E. MAXIMUM TENSILE STRENGTH FOR OPERATION: 198 N.
F. MINIMUM BEND RADIUS AT INSTALLATION: 96MM.
G. MINIMUM BEND RADIUS, UNLOADED: 48MM.
H. CRUSH RESISTANCE: 1000N/10cm.
I. CABLE WEIGHT: 19 KG/KM.

5 YY/WW - YEAR/WEEK - EXAMPLE: 10/25.

6 XXXXX - SEQUENTIAL METER MARKING.
TOLERANCE ON LENGTH MARKINGS: -0%/+1%.

7 FIBER-CABLE TYPE-- "SM-OS2" FOR SINGLEMODE, "62.5/125-OM1", "50/125-OM2", "50/125-OM3", "50/125-OM4" FOR MULTIMODE.

8 TRACE MANUFACTURE WORKSHOP ORDER NUMBER



7 TE CONNECTIVITY FO CABLE [FIBER-CABLE TYPE] 4F E111043 OFNR (UL) c(UL) YY/WW XXXXX METER XXXXXX

LEGEND TO BE REPEATED EVERY METER IN INDENTED BLACK INK.

PART NUMBER LIST				
8-1859417-5	3-1859417-5	2-1859417-5	1-1859417-5	50/125-OM4
8-1859417-4	3-1859417-4	2-1859417-4	1-1859417-4	SM-OS2
8-1859417-3	3-1859417-3	2-1859417-3	1-1859417-3	50/125-OM3
8-1859417-2	3-1859417-2	2-1859417-2	1-1859417-2	50/125-OM2
8-1859417-1	3-1859417-1	2-1859417-1	1-1859417-1	62.5/125-OM1
CUT LENGTH	3000M	2000M	1000M	FIBER-CABLE TYPE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ENIAC XU	26SEP2010	TE TE Connectivity	
		CHK -	-		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RICKY CHEN	
		0 PLC	± -	APVD 26SEP2010	
		1 PLC	± -	PRODUCT SPEC	
		2 PLC	± -	APPLICATION SPEC	
		3 PLC	± -	-	
MATERIAL -		4 PLC	± -	WEIGHT -	
		ANGLES	± -	SIZE A2	
		FINISH -	-	CAGE CODE 00779	
				DRAWING NO C=1859417	
				RESTRICTED TO -	
				CUSTOMER DRAWING	
				SCALE -	
				SHEET 1 of 1	
				REV B	