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LOC

DIST

ES

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REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

C

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-1859421-1	62.5/125	OM1	MAXIMUM	3.5	1.5	N/A	N/A	200	600
X-1859421-2	50/125	OM2	MAXIMUM	3.5	1.5	N/A	N/A	500	500
X-1859421-3	50/125	OM3	MAXIMUM	3.5	1.5	N/A	N/A	1500	500
X-1859421-4	SM,G652D	OS2	MAXIMUM	N/A	N/A	0.44	0.44	N/A	N/A
X-1859421-5	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, GRAY, WHITE, RED, BLACK, YELLOW, VIOLET, PINK, AQUA, BLUE WBT (WITH BLACK TRACER), ORANGE WBT, GREEN WBT, BROWN WBT, GREY WBT, WHITE WBT, RED WBT, LIGHT GREEN WBT, YELLOW WBT, VIOLET WBT, PINK WBT, AQUA WBT

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.

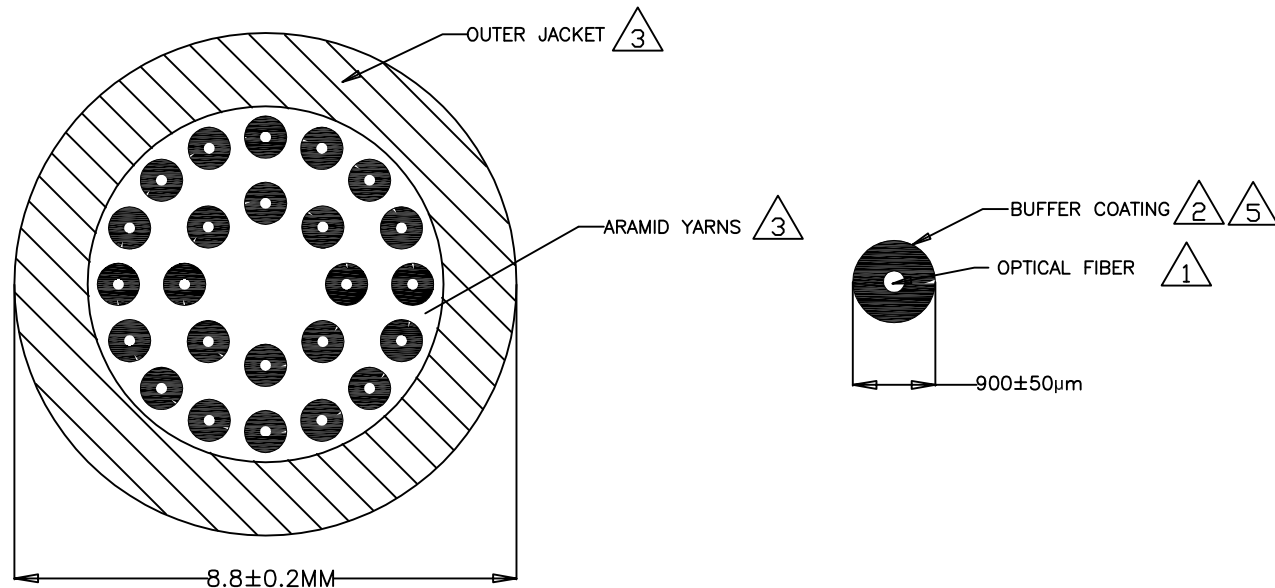
4 CABLE RATINGS:
A. STORAGE TEMPERATURE: -40°C TO +70°C.
B. OPERATING TEMPERATURE: -20°C TO +70°C.
C. INSTALLATION TEMPERATURE: -10°C TO +60°C.
D. MAXIMUM TENSILE STRENGTH FOR INSTALLATION: 1320 N.
E. MAXIMUM TENSILE STRENGTH FOR OPERATION: 396 N.
F. MINIMUM BEND RADIUS AT INSTALLATION: 176MM.
G. MINIMUM BEND RADIUS, UNLOADED: 88MM.
H. CRUSH RESISTANCE: 1000N/10cm.
I. CABLE WEIGHT: 60 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 **5** **6** **8**
TE CONNECTIVITY F O CABLE [FIBER-CABLE TYPE] 24F RISER YY/WW XXXXX METER XXXXXX
LEGEND TO BE REPEATED EVERY METER IN INDENTED BLACK INK.

PART NUMBER LIST			
8-1859421-5	2-1859421-5	1-1859421-5	50/125-OM4
8-1859421-4	2-1859421-4	1-1859421-4	SM-OS2
8-1859421-3	2-1859421-3	1-1859421-3	50/125-OM3
8-1859421-2	2-1859421-2	1-1859421-2	50/125-OM2
8-1859421-1	2-1859421-1	1-1859421-1	62.5/125-OM1
CUT LENGTH	2000M	1000M	FIBER-CABLE TYPE
PACKAGED LENGTH			

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ENIAC XU	26SEP2010	TE TE Connectivity	
DIMENSIONS: mm		CHK -	-		
		APVD RICKY CHEN		NAME	
		26SEP2010		FO CABLE, INDOOR DISTRIBUTION, OFNR, 24 FIBERS	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		APPLICATION SPEC	
0 PLC ± -		-		-	
1 PLC ± -		-		-	
2 PLC ± -		-		-	
3 PLC ± -		-		-	
4 PLC ± -		-		-	
ANGLES ± -		-		-	
FINISH		WEIGHT		-	
-		-		-	
MATERIAL		CUSTOMER DRAWING		SCALE	
-		-		-	
		SIZE		CAGE CODE	
		A2		00779	
		DRAWING NO		C=1859421	
		RESTRICTED TO		-	
		SHEET		1 OF 1	
		REV		C	