

PART NUMBER	FIBER TYPE	MAX ATTENUATION dB/km				BANDWIDTH MHz-Km	
		850nm	1300nm	1310nm	1550nm	850nm	1300nm
1918656-1	62.5/125	3.75	1.5	n/a	n/a	300	600
1918656-2	50/125	3.5	1.0	n/a	n/a	500	500
1918656-4	SINGLEMODE	n/a	n/a	0.5	0.5	n/a	n/a
1918656-8	50/125 OM3	3.5	1.0	n/a	n/a	1500	500

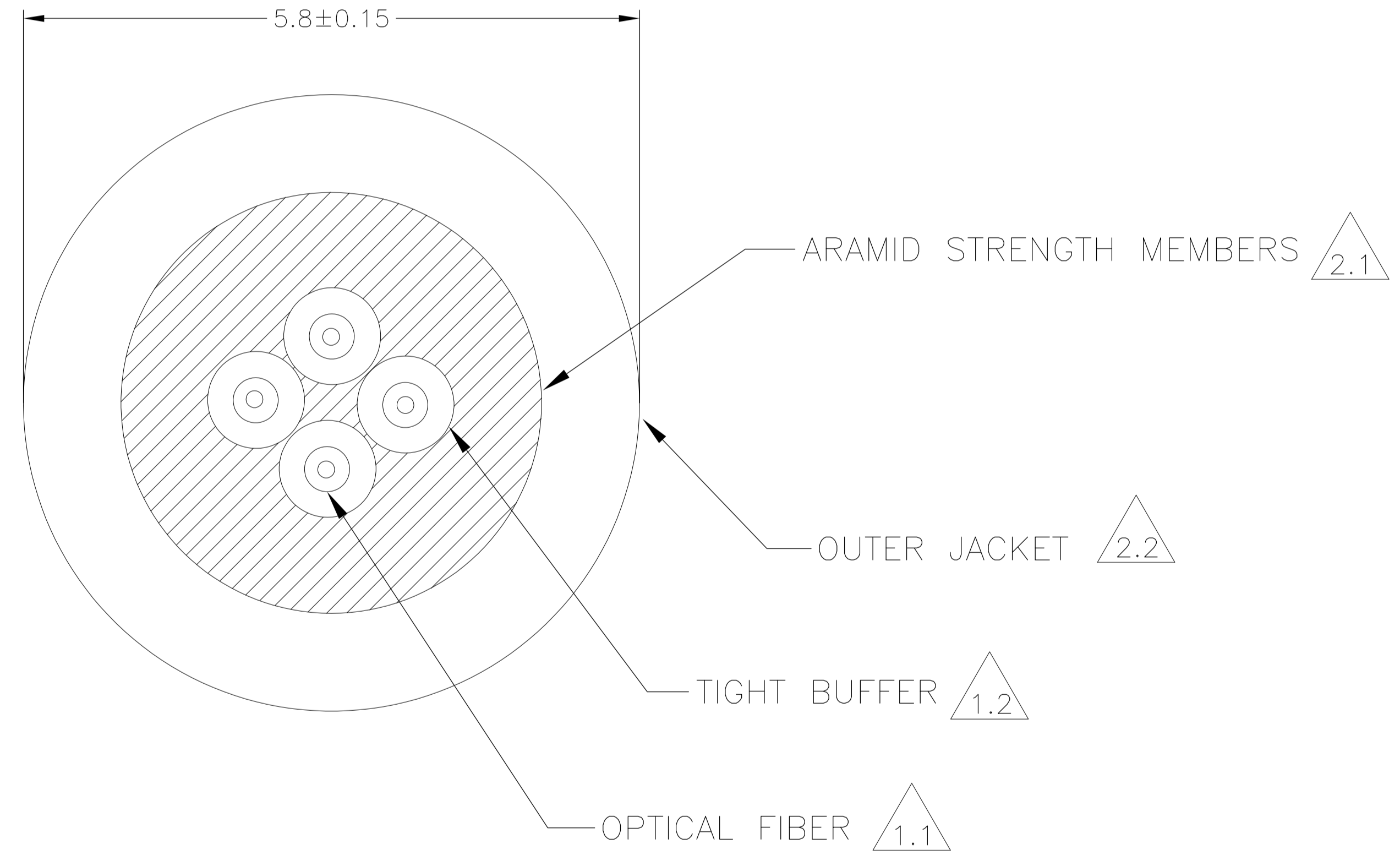
1. OPTICAL FIBER SPECIFICATIONS PER TABLE:

- 1.1 OPTICAL FIBER
- 1.2 TIGHT BUFFER: 900±50um TO BE COLOR CODED PER TIA/EIA-598-A

2. CABLE CONSTRUCTION:

- 2.1 ARAMID YARN STRENGTH MEMBERS
- 2.2 OUTER JACKET MATERIAL: POLYURETHANE COLOR TO BE BLACK

3 BEND INSENSITIVE FIBER..



MECHANICAL & ENVIRONMENTAL REQUIREMENTS BASED ON MIL-PRF-85045		
OPERATING TEMPERATURE	-55°C TO +85°C	EIA/TIA-455-3
STORAGE/SHIPPING TEMPERATURE	-70°C TO +85°C	EIA/TIA-455-3
INSTALLATION		EIA/TIA-455-33, MILITARY REQ.
MAX. TENSILE LOAD	2500 N/cm (1450N)	
MIN. BEND RADIUS	5 X OD (2.9cm)	
OPERATING		EIA/TIA-455-33, MILITARY REQ.
MAX. TENSILE LOAD	500 N/cm (290N)	
MIN. BEND RADIUS	10 X OD (5.8cm)	
IMPACT RESISTANCE	200 IMPACTS	EIA/TIA-455-25
CRUSH RESISTANCE	2,000 N/cm (1160N)	EIA/TIA-455-41
FLEX RESISTANCE	6,000 CYCLES	EIA/TIA-455-104
CABLE TWIST/BEND	6,000 CYCLES	TIA/EIA-455-91
NOMINAL CABLE WEIGHT: 27 KG/KM		

DESIGN APPROVED THIS PRINT IS  
**PRELIMINARY**  
TO FIRST PIECE APPROVAL CONTACT PRODUCT ENGINEERING BEFORE USING THIS PRINT

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)		DIN WILLIAMS 06OCT2006	<b>STE</b> IE Connectivity
DIMENSIONS: mm		06OCT2006	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPROVALS: SHIPD	<b>PRELIMINARY</b>
0 PLC ± -		APPROVALS: DARR	
1 PLC ± -		PRODUCT SPEC	CABLE, FIBER OPTIC, 5.8mm MILITARY TACTICAL 4 FIBER
2 PLC ± -		APPLICATION SPEC	
3 PLC ± -		SIZE	A1
4 PLC ± -		WEIGHT	000779
ANGLES ± ± -		CAGE CODE	1918656
FINISH -		DRAWING NO	1918656
MATERIAL		RESTRICTED TO	
FINISH		CUSTOMER DRAWING	SCALE NTS SHEET 1 OF 2 REV 4

REVISION	DESCRIPTION OF CHANGES	DATE	APPROVAL
3	ADD 1550nm COLUMN TO MAX ATTENUATION COLUMN, REVISE VALUES. REVISE NOTE 3. REVISE VALUES IN TABLE.	21MAR12	D.WERTMAN
4	REMOVE NOTE 3. REPLACE WITH NEW NOTE 3.	25JUN12	D.WERTMAN

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THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)		DIN	K. GLATFELTER	21MAR2012
DIMENSIONS: mm		CHK	D. WERTMAN	21MAR2012
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPV	D. WERTMAN	21MAR2012
0. PLC	±	NAME		
1. PLC	±	CABLE, FIBER OPTIC, 5.8mm MILITARY TACTICAL		
2. PLC	±	4 FIBER		
3. PLC	±	APPLICATION SPEC		
4. PLC	±	RESTRICTED TO		
ANGLES	±	SIZE	A1	00779
		WEIGHT	1918656	1918656
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE	NTS
		SHEET	2	2
		REV	4	