

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

3

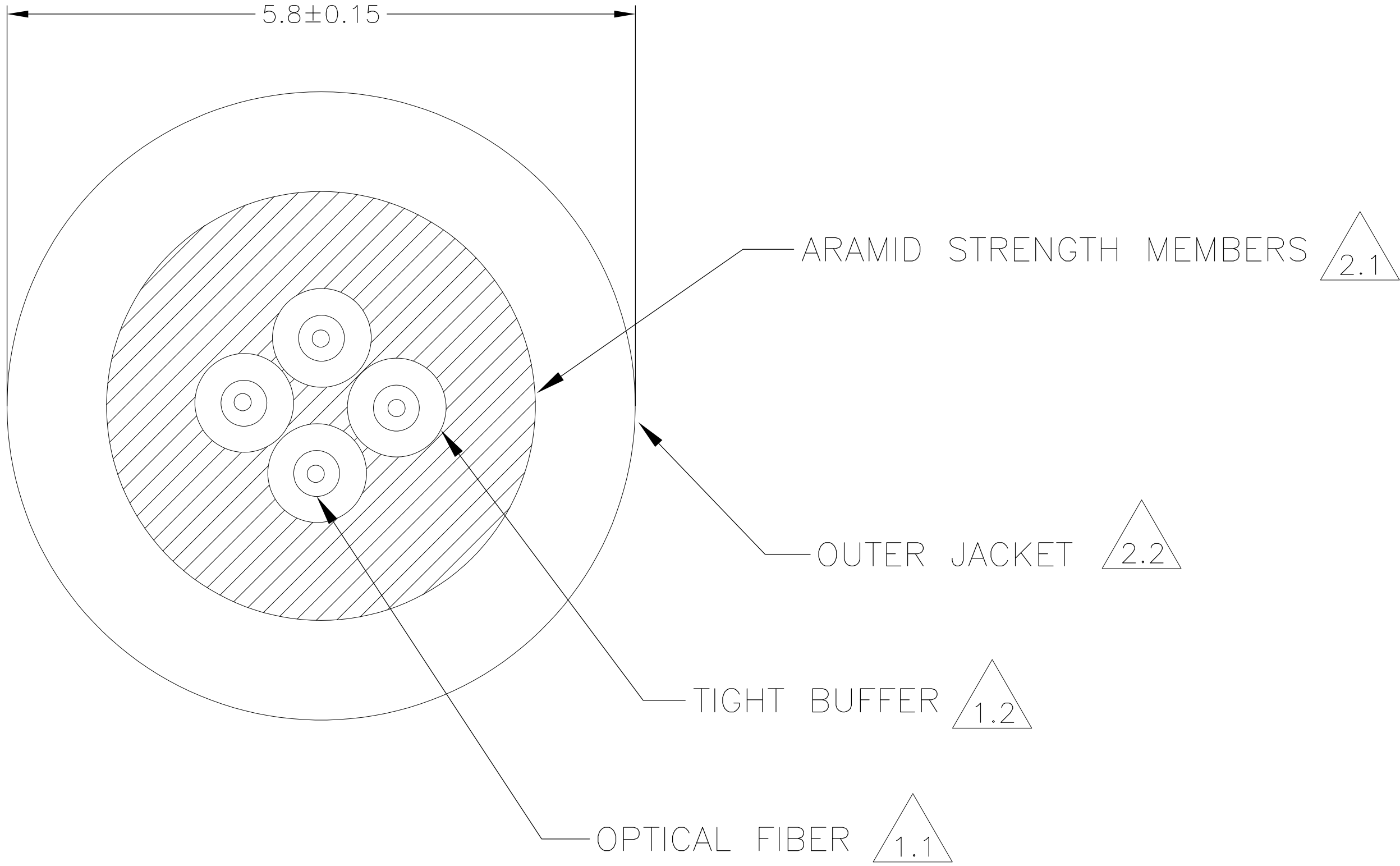
1. OPTICAL FIBER SPECIFICATIONS PER TABLE:

- 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
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TO FIRST PIECE APPROVAL
CONTACT PRODUCT ENGINEERING
BEFORE USING THIS PRINT

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DIMENSIONING AND TOLERANCING PER
ASME Y14.5M (ISO STANDARDS)

DIMENSIONS:

mm

0 PLC ± –

1 PLC ± –

2 PLC ± –

3 PLC ± –

4 PLC ± –

ANGLES

DWN

J. WILLIAMS

06OCT2006

CHK

J. SHIPE

16OCT2006

APVD

T. DARR

16OCT2006

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

—

NAME

CABLE, FIBER OPTIC, 5.8mm MILITARY TACTICAL
4 FIBER
—

SIZE

CAGE CODE

DRAWING NO

A100779

1918656

RESTRICTED TO

—

CUSTOMER DRAWING

SCALE

NTS

SHEET

1

OF

2

REV

4

TE Connectivity

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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DIMENSIONING AND TOLERANCING PER
ASME Y14.5M (ISO STANDARDS)

DWN

K GLATFELTER

21MAR2012

CHK

D.WERTMAN

21MAR2012

APPD

D.WERTMAN

21MAR2012

NAME

CABLE, FIBER OPTIC, 5.8mm MILITARY TACTICAL
4 FIBER

SIZE

A1

CAGE CODE

00779

DRAWING NO

1918656

RESTRICTED TO

—

CUSTOMER DRAWING

SCALE

NTS

SHEET

2

OF

2

REV

4