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PART NUMBER	FIBER TYPE	1.1	MAX ATTENUATION dB/km				BANDWIDTH MHz-km		FIBER SPECIFICATION
			850nm	1300nm	1310nm	1550nm	850nm	1300nm	
1588957-1	62.5/125		3.5	1.0	N/A	N/A	160	500	
1588957-2	50/125		2.7	0.9	N/A	N/A	400	1200	
1588957-4	SINGLEMODE		N/A	N/A	0.40	0.25	N/A	N/A	ITU-T G.652 D
1588957-8	50/125 OM3		3.2	1.6	N/A	N/A	1500	500	IEC 60793-2-10 TYPE A1a.2

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	APVD
-	-		3	SEE SHEET 2	18JUN12	DW

1 OPTICAL FIBER SPECIFICATIONS PER TABLE:

1.1 OPTICAL FIBER: 250±15um

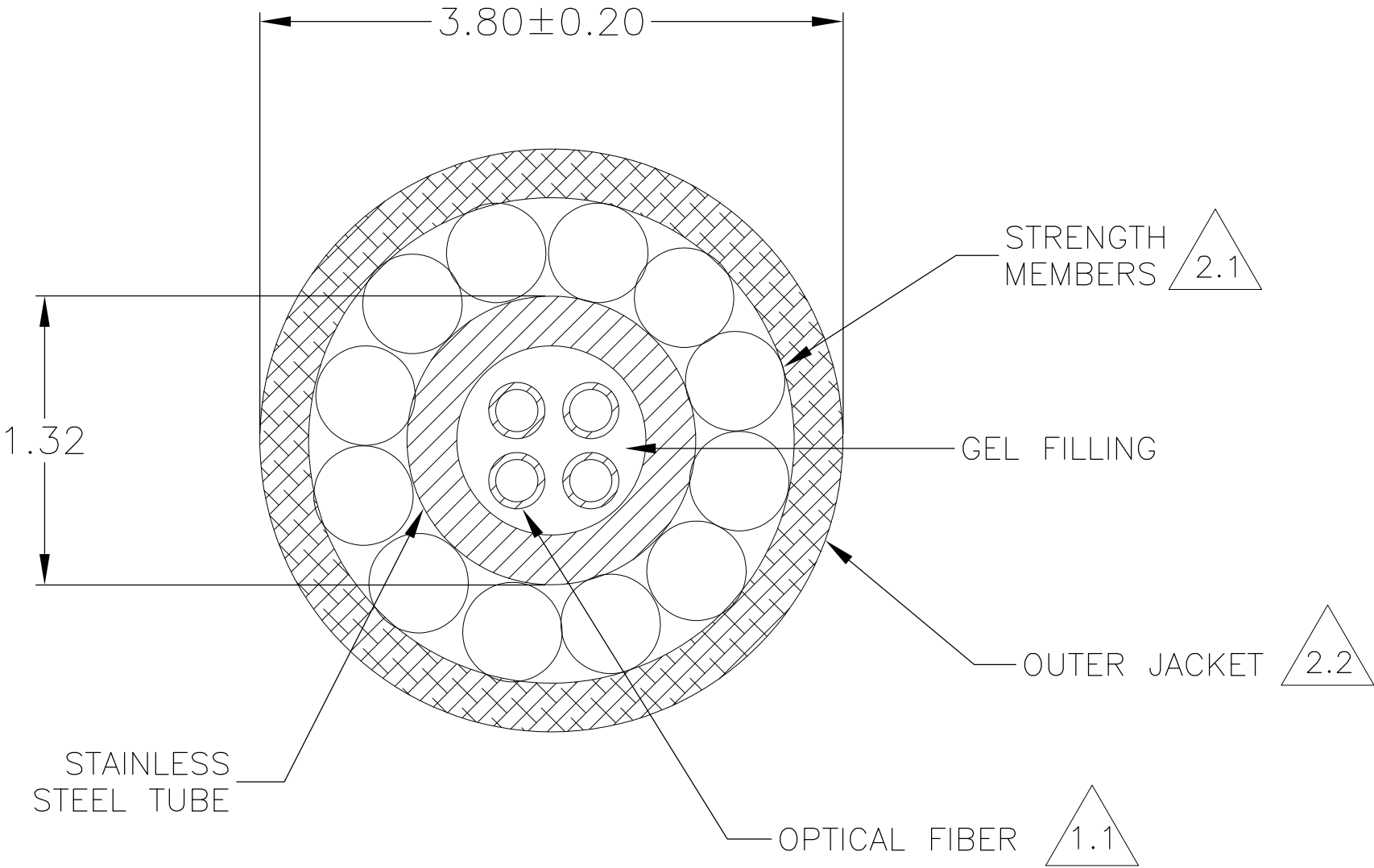
2 CABLE CONSTRUCTION:

2.1 STAINLESS STEEL STRENGTH MEMBERS.

2.2 OUTER JACKET MATERIAL: NYLON
COLOR: BLACK

3 CABLE CHARACTERISTICS:

OPERATING TEMPERATURE	-55°C TO +85°C	IEC 60794-1-2; F1
STORAGE/SHIPPING TEMPERATURE	-60°C TO +85°C	IEC 60794-1-2; F1
HUMIDITY	95%RH at 60/30/20°C; 5 CYCLES	MIL-STD-810F, SECT 507.4
WATERPROOF	5 METERS FOR 24HRS	IEC 60529 IPx8
AVERAGE BREAKING LOAD	3100 N	IEC 60794-1-2; E1
TENSILE STRENGTH	1600 N	IEC 60794-1-2; E1
STATIC BENDING RESISTANCE	10mm, 3 CYCLES	IEC 60794-1-2; E11
REPEATED BENDING RESISTANCE	50mm, 1800 CYCLES	IEC 60794-1-2; E6
KINK RESISTANCE	0.50 INCH	IEC-60794-1-2; E10
SINGLE IMPACT	4mm RADIUS, 1 J/IMPACT	IEC 60794-1-2; E4
CRUSH RESISTANCE	1,200 N/cm (LINEAR)	IEC 60794-1-2; E3
TORSION RESISTANCE	100N, 6 CYCLES, ±180°	IEC 60794-1-2; E7
COLD WINDING	6 TURNS ON 20mm REEL @ -51°C	MIL-STD-810F, SECT 502.4
CHEMICAL RESISTANCE	TURBINE FUEL, GASOLINE, ENGINE OIL, HYDRAULIC FLUID, DE-ICING/DE-FROSTING FLUID	VG95 214 PART 4
NOMINAL CABLE WEIGHT: 24KG/KM		
RODENT RESISTANT		



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)		DWN J. WILLIAMS 17NOV2006	TE Connectivity CABLE, ARMORED, 4 FIBER CENTRAL LOOSE TUBE, GEL FILLED			
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK J. SHIPE 17NOV06				
	0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -	APVD T. DARR 17NOV06				
MATERIAL -	FINISH -	PRODUCT SPEC - APPLICATION SPEC - WEIGHT -				
CUSTOMER DRAWING			SIZE A2	CAGE CODE 00779	DRAWING NO C=1588957	RESTRICTED TO -
			SCALE 1:1	SHEET 1 of 2	REV 3	

4

3

2

1

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LOC

DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

REVISION	DESCRIPTION OF CHANGES	DATE	APPROVAL
1	INITIAL RELEASE	17NOV06	J. WILLIAMS
2	ADD ATTENUATION DATA	06DEC06	J. WILLIAMS
3	ADD -8 ASSEMBLY. ADD FIBER SPEC COLUMN TO TABLE.	18JUN12	D.WERTMAN

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DIMENSIONS:
mm

MATERIAL
-

FINISH
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± -
ANGLES ± -

DWN
J. WILLIAMS
17NOV2006

CHK
J. SHIPE
17NOV06

APVD
T. DARR
17NOV06

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

CABLE, ARMORED, 4 FIBER
CENTRAL LOOSE TUBE, GEL FILLED
-

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=1588957

RESTRICTED TO
-

SCALE
1:1

SHEET
2 of 2

REV
3

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1588957

1471-9 (3/11)

Mouser Electronics

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[TE Connectivity:](#)

[1588957-4](#)