

4

3

2

1

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

3

SEE SHEET 2

18JUN12

KG

DW

PART NUMBER	FIBER TYPE	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

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		

1.1

OPTICAL FIBER

2.1

STRENGTH MEMBERS

2.2

OUTER JACKET

1.1

GEL FILLING

2.1

STAINLESS STEEL TUBE

3.80±0.20

1.32

DESIGN APPROVED

THIS PRINT IS

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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)

DIMENSIONS: mm

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

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 1 of 2

REV 3

1471-9 (3/11)

1588957

1

4

3

2

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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

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL

-

FINISH

-

DWN17NOV2006J. WILLIAMS

CHK17NOV06J. SHIPE

APVD17NOV06T. DARR

PRODUCT SPEC

APPLICATION SPEC

WEIGHT-

CUSTOMER DRAWING

NAME

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

SIZEA2

CAGE CODE00779

DRAWING NOC=1588957

RESTRICTED TO-

SCALE1:1

SHEET2 of 2

REV3

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