REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	X	EXPERIMENTAL RELEASE ER 1049-127	5-18-98	RSW
	X1	REVISED DRAWING ER 1049-129	5-22-98	RSW

NOTES:

1 ITEM 3: BREAKOUT STYLE CRB04 HYBRID SPECIALTY OPTICAL CABLE PART NO: BX004-070D-1A3FB/1FC -1C4DB/2DC-1W3SB/1UC-XXX-900-R

OPTICAL FIBER CHARACTERISTICS OF (4) SUBUNITS:

a) OCC P/N A3FB/IFC (MULTIMODE 50/125um WITH 900um BLACK BUFFERED OPTICAL FIBER) GRADED INDEX FIBER-SPECTRAN P/N BF04430-01, JACKET COLOR BLACK

b) OCC P/N W3SB/1UC (MULTIMODE 62.5/125um WITH 900um BLACK BUFFERED OPTICAL FIBER) GRADED INDEX FIBER-SPECTRAN P/N BF04431-01, JACKET COLOR BROWN

c) OCC P/N C4DB/2DC (MULTIMODE 100/140um WITH 900um BLACK BUFFERED OPTICAL FIBER) GRADED INDEX FIBER-SPECTRAN P/N BF04432-01, JACKET COLOR ORANGE

d) OCC P/N XXX-900-R (MULTIMODE 100/140um WITH 900um BLACK BUFFERED OPTICAL FIBER) STEP-INDEX FIBER-SPECTRAN P/N ACS-MC100D, JACKET COLOR BLUE

EACH SUBUNIT SHALL BE COVERED WITH AN ARAMID YARN STRENGTH MEMBER AND A 2.0mm ELASTOMER JACKET.
ALL (4) SUBUNITS SHALL BE ENCASED IN A 7.0mm CORE-LOCKED INDOOR/OUTDOOR PVC JACKET.

2 MECHANICAL SPECIFICATIONS:

MINIMUM BEND RADIUS: UNDER INSTALLATION - 20X CABLE OUTSIDE DIAMETER
LONG-TERM TENSILE LOAD- 10X OUTSIDE DIAMETER

OPERATING TEMPERATURE: -40°C TO +85°C

STORAGE TEMPERATURE: -55°C TO +85°C

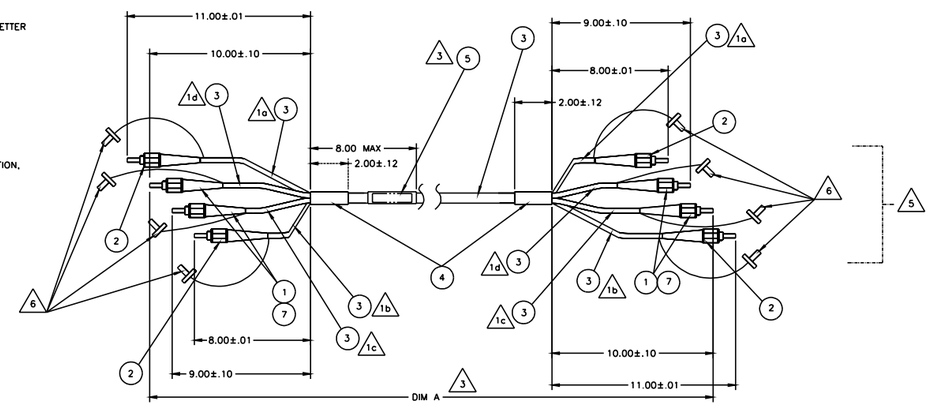
DAMAGE RESISTANCE: CRUSHING - 2200 N/cm
IMPACT - 1500 IMPACTS
FLEXURE - 2000 CYCLES

3 THE FIBER OPTICS ASSEMBLY NO. SHALL CONSIST OF THE DRAWING NO., DASH NO. PLUS A REV LETTER WHICH IS DEFINED AS THE CABLE LENGTH IN WHOLE NO.S (METERS $^{+10}_{-5}$%) AS SHOWN IN P/N TABULATION BLOCK-EXAMPLE: 2003780X-002 WOULD BE A CABLE LENGTH OF 2-5%(.10)=1.9 METERS, AN ADDITIONAL LABEL (ITEM 5) IS REQUIRED AT THE OPPOSITE END FOR LENGTH'S THAT ARE (6) METERS OR GREATER

4 IDENTIFICATION OF THE SUGGESTED SOURCE(S) OF SUPPLY HEREON IS NOT TO BE CONSTRUED AS A GUARANTEE OF PRESENT OR CONTINUE AVAILABILITY AS A SOURCE OF SUPPLY FOR THE ITEM DESCRIBED ON THE DRAWING

5 OPTIONAL:
A PULLING EYE MAYBE PRE INSTALLED ON THE END INDICATED FOR PURPOSES OF FIELD INSTALLATION, ADD NEWTON'S PART NO. N981026 TO PURCHASE ORDER WITH THE CABLE ASSEMBLY NUMBER

6 EACH CONNECTOR, ITEMS 1 & 2, SHALL BE SUPPLIED WITH A SUITABLE TETHERED DUST CAP



PART NO. TABULATION

P/N	DASH NO./ DIM A	NEWTON PART NO.
2003780	-001	N981025-001M
2003780	-999	N981025-999M

SUGGESTED SOURCE OF SUPPLY

PART NUMBER	VENDER ADDRESS	VENDER CAGE CODE	VENDER PART NUMBER	ITEM IDENTIFICATION
2003780REV-*** 3	NEWTON'S FIBERWORKS 80 GILMAN AVE CAMPBELL CA 95008		N981025-***M	

VENDOR ITEM CONTROL DRAWING

PARTS LIST

QTY REQD	DESCRIPTION	CODE IDENT	PART OR IDENTIFYING NO.	ITEM
5 REF	PULLING EYE	NEWTON	N981026	8
4	FERRULE, FC CERAMIC,140UM	SEIKO	SZ-1B1214400	7
				6
1	LABEL, I.D.	BRADY	DAT-34-292 OR EQUIV	5
A/R	HEAT-SHRINK TUBING	MCMASTER CARR	7270K1 OR EQUIV	4
A/R	CABLE	OPTICAL CABLE CORP	SEE NOTE 1	3
4	CONN. FC/PC, 125UM	SEIKO	SAP-BZM6503	2
4	CONN. FC/PC, 140UM	SEIKO	SAP-11312400	1

3 ...***

PROPRIETARY NOTICE

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM KAISER OPTICAL SYSTEMS, INC.

DASH NO.	NEXT ASSY	USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED INTERPRET THIS DRAWING PER DOD-STD-100

PARTS TO BE FREE OF BURRS AND SHARP EDGES

SOLDER PER MIL-STD-454, REQ# 5

COMMERCIAL TOLERANCES APPLY TO STOCK SIZES

WORKMANSHIP PER MIL-STD-454, REQ# 9

IDENTIFYING NUMBERS SHOWN IN PARENTHESIS FOR REFERENCE ONLY

DIMENSIONAL LIMITS APPLY AFTER FINISH PROCESSING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES: .XX± .02 .XXX± .005 ANGLES ± 2°
SURFACE TEXTURE: 125
MATERIAL: ____
FINISH: ____

CONTRACT NO.
DRN 3-3-98 M. STOHAM
CK
APD
MFG
MECH
REGL
ELEC
PROJ ENG
OPTICAL
PROJ MGR
APVD CUSTOMER

KAISER OPTICAL SYSTEMS, INC.
A KAISER AEROSPACE & ELECTRONICS COMPANY
ANN ARBOR, MICHIGAN 48106

TITLE
FIBER OPTICS ASSEMBLY
STAGGERED FC/FC

SIZE	FSCM NO.	DWG NO.	REV
E		2003780	X1

SCALE NONE | WT — | SHEET 1 OF 1

1 (RAMAN INDOOR/OUTDOOR)

2003780 X1