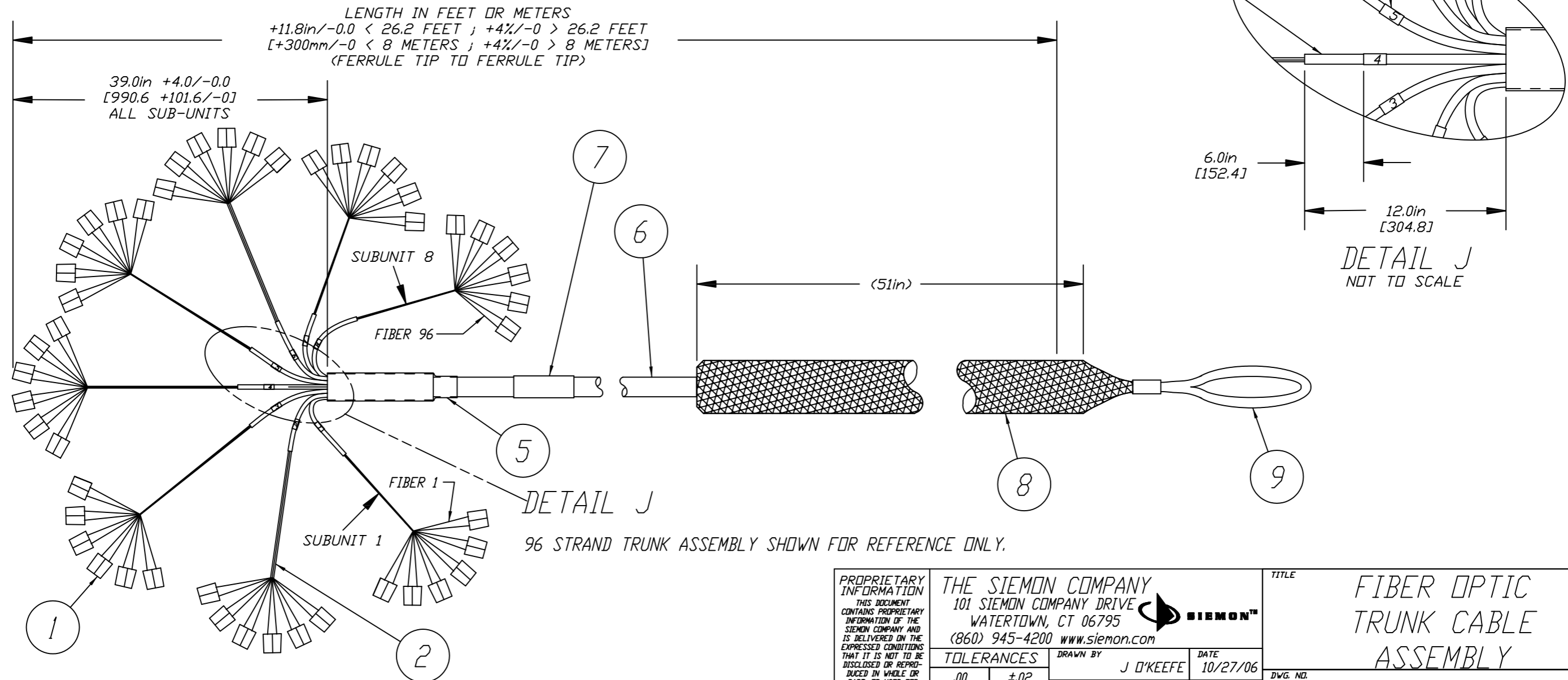


ITEM NO.	DESCRIPTION
1	FIBER CONNECTOR WITH DUST CAP
2	FIBER STRAND (900 MICRON) WITH DESIGNATION LABEL
3	SUB-UNIT SPIRAL TUBING
4	SUB-UNIT DESIGNATION LABEL
5	SUB-UNIT BREAK-OUT ASSEMBLY (EPOXY FILLED)
6	FIBER OPTIC CABLE
7	FIBER OPTIC CABLE JACKET LABEL
8	ENCAPSULATED PROTECTIVE SLEEVE
9	PULLING EYE

REV.	ECD NO.	REVISIONS	BY	DATE	APVD.
A	1303	NEW RELEASE	JDK	11/27/06	WP 4/27/07
B	1565	B1: CHANGED MIN BEND RADIUS VALUES TO FIT TIA STANDARD B2: ADDED 'MIN BEND RADIUS (UNDER LOAD)' COLUMN B3: ADDED NOTE 2	JF	6/8/07	



(B3) 2. ROHS COMPLIANT
 NOTES: 1. CONTACT A SIEMON COMPANY CUSTOMER SERVICE REPRESENTATIVE FOR MORE INFORMATION.

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	TOLERANCES .00 ±.02 .000 ±.010 .0000 - ANGLE 1°		DWG. NO. B-9076940	
	DRAWN BY J O'KEEFE CHECKED BY B BOEMMELS ENGINEER J O'KEEFE		DATE 10/27/06 DATE 12/18/06 DATE 10/27/06	
	ANSI Y14.5M-1982 OR ISO 1101, 129 & 3040 DIMENSIONS IN SQUARE BRACKETS ARE [mm], ALL OTHER DIMENSIONS ARE INCHES. DO NOT SCALE		PART NO. SEE CHART SCALE NONE SHEET 1 OF 2	

CUSTOMER USE DRAWING

DWG. NO. B-9076940 SH 1 REV. B

CABLE - OPTICAL AND PHYSICAL SPECIFICATIONS

REV.	ECO NO.	REVISIONS	BY	DATE	APVD.
-	-	SEE SHEET 1 FOR REVISION HISTORY	-	-	

CABLE TYPE	MULTI-MODE			SINGLE-MODE
	LIGHTSYSTEM 62.5/125 (850/1300nm)	LIGHTSYSTEM 50/125 (850/1300nm)	XGLD 50/125 (850/1300nm)	XGLD (1310/1550nm)
FIBER CABLE ATTENUATION, MAX (dB/km)	3.5/1.0	3.5/1.0	3.5/1.0	0.5/0.5*
DFL BANDWIDTH, MIN (MHz' km)	200/500	500/500	1500/500	N/A
EFFECTIVE MODAL BANDWIDTH, MIN (MHz' km)	N/A	N/A	2000/NS	N/A
CABLE OUTER JACKET COLOR	ORANGE	ORANGE	AQUA	YELLOW
BREAK-OUT COLORS: SINGLE FIBER STRANDS**	BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE, AQUA			
SUB-UNIT COLORS AND/OR MARKINGS**	BLUE, ORANGE, GREEN, BROWN, SLATE, WHITE, RED, BLACK, YELLOW, VIOLET, ROSE, AQUA			

* XGLD SINGLEMODE FIBER MEETS LOW WATER PEAK SPECIFICATIONS PER ITU-T G.652.C
 ** PER TIA-598-C

CABLE - DIAMETERS BY FIBER COUNT

CABLE TYPE	FIBER STRAND COUNT	SLEEVE DIA. mm (in)	CABLE DIA. mm (in)	MIN BEND RADIUS (NO LOAD)	MIN BEND RADIUS (UNDER LOAD)	REQUIRED DUCT DIA. mm (in)	MAX PULL FORCE kg (lbs)
				(B1) mm (in)	(B2) mm (in)		
NON-ARMORED	6	44.5 (1.75)	5.8 (0.23)	58 (2.3)	87 (3.43)	69.9 (2.75)	45.4 (100)
	12	44.5 (1.75)	5.8 (0.23)	58 (2.3)	87 (3.43)	69.9 (2.75)	45.4 (100)
	24	44.5 (1.75)	13.7 (0.54)	137 (5.4)	205.5 (8.1)	69.9 (2.75)	45.4 (100)
	36	63.5 (2.5)	16.5 (0.65)	165 (6.5)	247.5 (9.74)	88.9 (3.5)	45.4 (100)
	48	63.5 (2.5)	16.0 (0.63)	160 (6.3)	240 (9.45)	88.9 (3.5)	45.4 (100)
	72	63.5 (2.5)	19.5 (0.77)	195 (7.7)	292.5 (11.52)	88.9 (3.5)	45.4 (100)
	96	88.9 (3.25)	23.9 (0.94)	239 (9.4)	358.5 (14.1)	108.0 (4.25)	45.4 (100)
	144	88.9 (3.25)	27.9 (1.10)	279 (11.0)	418.5 (16.5)	108.0 (4.25)	45.4 (100)
ARMORED	12	44.5 (1.75)	13.0 (0.51)	130 (5.1)	195 (7.68)	69.9 (2.75)	45.4 (100)
	24	44.5 (1.75)	16.0 (0.63)	160 (6.3)	240 (9.45)	88.9 (3.5)	45.4 (100)
	36	63.5 (2.5)	22.4 (0.88)	224 (8.8)	336 (13.23)	88.9 (3.5)	45.4 (100)

TF- (X) (X) (X) (X) (XX) (XX) (XXX) (X)

FIBER COUNT:
 A = 6*
 B = 12
 C = 24
 E = 36
 F = 48*
 G = 72*
 H = 96*
 J = 144*
 * = NON-ARMORED ONLY

PULLING EYE:
 A = SIDE A
 B = SIDE B
 C = NONE

FIBER TYPE:
 A = SINGLEMODE (XGLD) - YELLOW
 B = 62.5/125 (LIGHTSYSTEM) - ORANGE
 C = 50/125 (LIGHTSYSTEM) - ORANGE
 L = 50/125 (XGLD) - AQUA

UNIT OF MEASURE:
 F = FEET
 M = METERS

CABLE LENGTH: (FEET OR METERS)
 050 = 50
 070 = 70
 etc.

CONNECTOR - SIDE B:
 MT = MT-RJ (LS)
 LC = LC (LS & XGLD)
 SC = SC (LS & XGLD)
 SA = ST (LS)
 (blank) = PIGTAIL

CONNECTOR - SIDE A:
 MT = MT-RJ (LS)
 LC = LC (LS & XGLD)
 SC = SC (LS & XGLD)
 SA = ST (LS)

CABLE TYPE:
 P = PLENUM - INDOOR DIST. (DFNP)
 R = RISER - INDOOR DIST. (DFNR)
 L = LSOH - INDOOR DIST. (IEC 60332.1)
 A = PLENUM - INTERLOCKING ARMOR (DFCP)

CONNECTORS - OPTICAL SPECIFICATIONS

FIBER TYPE	PERFORMANCE CLASS	MAX INSERTION LOSS (dB)	MIN RETURN LOSS (dB)
62.5/125um MULTIMODE	LIGHTSYSTEM	0.65 (0.15 TYPICAL)	25 (30 TYPICAL)
50/125um MULTIMODE	LIGHTSYSTEM	0.65 (0.15 TYPICAL)	25 (30 TYPICAL)
50/125um MULTIMODE	XGLD	0.50 (0.10 TYPICAL)	30 (35 TYPICAL)
SINGLEMODE	XGLD	0.40 (0.25 TYPICAL)	55 (57 TYPICAL)

CONNECTORS - PHYSICAL SPECIFICATIONS

CONNECTOR TYPE	IEC INTERMATEABILITY COMPLIANCE	TIA INTERMATEABILITY COMPLIANCE	HOUSING COLOR		BOOT COLOR	
			SM	MM	SM	MM
MT-RJ	IEC 61754-1	TIA/EIA-604-12	BLACK	BLACK	BLACK	BLACK
SC	IEC 60874-14	TIA/EIA-604-3	BLUE	BEIGE	BLUE	BEIGE
ST	IEC 60874-10	TIA/EIA-604-2	n/a	n/a	BLUE	BEIGE
LC	IEC 61754-20	TIA/EIA-604-10	BLUE	BEIGE	WHITE	WHITE

NOTES:

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	ANSI Y14.5M-1982 OR ISO 1101, 129 & 3040 DIMENSIONS IN SQUARE BRACKETS ARE [mm], ALL OTHER DIMENSIONS ARE INCHES.		DWG. NO. B-9076940 PART NO. SEE CHART SCALE NONE	
	DO NOT SCALE		REV. B SHEET 2 OF 2	
	CUSTOMER USE DRAWING			

DWG. NO. B-9076940 SH 2 REV B