

"OPTICAL CABLE CORPORATION (OCC)
RESERVES THE RIGHT TO REVISE ANY
AND ALL DESIGN SPECIFICATIONS."
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Connector spec operating temp range is -40°C to +75°C
Cable spec operating temp range is -40°C to +80°C

AX SERIES (NON-ARMOR) FIBER CABLE

NOTES: UNLESS OTHERWISE SPECIFIED.

1. **TESTING:** SEE OCC FIBER TEST SPEC# 104894 FOR APPROPRIATE TEST REQUIREMENTS.
TEST DATA REQUIRED FOR EACH JUMPER ASSEMBLY CONNECTOR END.

DISCREET CONNECTOR TYPE	3.0mm MINI BOOT COLOR			INNER FIBER CODE	COLOR CODE
	SINGLEMODE	50µm OM2 62.5µm OM1	SM/APC		
FC/PC FC/UPC SIMPLEX	A1 & B1	A1 & B1	A1 & B1	A1 - B1	BLUE
SC/PC SC/UPC SIMPLEX	BLACK	BLACK	-	A2 - B2	ORANGE
ST/PC ST/UPC SIMPLEX	BLUE	BEIGE	-		
FC/APC SIMPLEX	BLACK	BLACK	-		
SC/APC SIMPLEX	-	-	GREEN		
ST/APC SIMPLEX	-	-	GREEN		

HOUSING and/or SHROUD COLOR and/or CLIP					
DISCREET CONNECTOR TYPE	SINGLEMODE	50µm OM2 62.5µm OM1	SM/APC	CODE	
FC/PC FC/UPC SIMPLEX	METAL	METAL	-	FC	FCU
SC/PC SC/UPC SIMPLEX	BLUE	BEIGE	-	SC	SCU
ST/PC ST/UPC SIMPLEX	METAL	METAL	-	ST	STU
FC/APC SIMPLEX	-	-	METAL	FCA	-
SC/APC SIMPLEX	-	-	GREEN	SCA	-

3. **ASSEMBLY (FINISHED LENGTH) TOLERANCE:**
less than or equal to 5 meters (approx. 16.4 feet) is: +2"/-0"
greater than 5 meters (approx. 16.5 feet) is: +(6" + 3%) / -0"
4. **ATTENTION:** ALL ASSEMBLIES MUST BE MANUFACTURED FROM OPTICAL CABLE CORP FIBER CABLE or have OCC ENGINEERING APPROVED EQUIVALENT.
SEE "CC" COLOR CODE CHART, TO THE RIGHT, FOR OTHER O.D. JACKET COLORS.

50µm MM (OM2) RISER 2.9mm O.D.	USE OCC FIBER CABLE# AX001NALS9OR
62.5µm MM (OM1) RISER 2.9mm O.D.	USE OCC FIBER CABLE# AX001HNL9S9OR
9.0µm SINGLEMODE RISER 2.9mm O.D.	USE OCC FIBER CABLE# AX001SLA9YR
50µm MM (OM2) PLENUM 2.9mm O.D.	USE OCC FIBER CABLE# AX001SALS9OP
62.5µm MM (OM1) PLENUM 2.9mm O.D.	USE OCC FIBER CABLE# AX001SWLS9OP
9.0µm SINGLEMODE PLENUM 2.9mm O.D.	USE OCC FIBER CABLE# AX001SSLA9YP
50µm MM (OM2) LSZH 2.9mm O.D.	USE OCC FIBER CABLE# AX001ZALS9OE
62.5µm MM (OM1) LSZH 2.9mm O.D.	USE OCC FIBER CABLE# AX001ZWLS9OE
9.0µm SINGLEMODE LSZH 2.9mm O.D.	USE OCC FIBER CABLE# AX001ZSLA9YE

5. **PULLING EYE KIT(S):** KITS INTENDED FOR LIGHT (EASY) DUTY ONLY.
ADD "PK" or "P2" TO SUFFIX OF OCC P/N.

FIBER CABLE OUTER JACKET COLOR CODE	COLOR
BL	BLUE
OR	ORANGE
GN	GREEN
BN	BROWN
SL	SLATE
WT	WHITE
RD	RED
BK	BLACK
YL	YELLOW
PL	VIOLET
RS	ROSE
AQ	AQUA

UNLESS OTHERWISE SPECIFIED
THIS DRAWING AND THE DESIGN SHOWN ARE THE
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OR SALE WITHOUT SPECIFIC WRITTEN PERMISSION
OF OPTICAL CABLE CORPORATION.

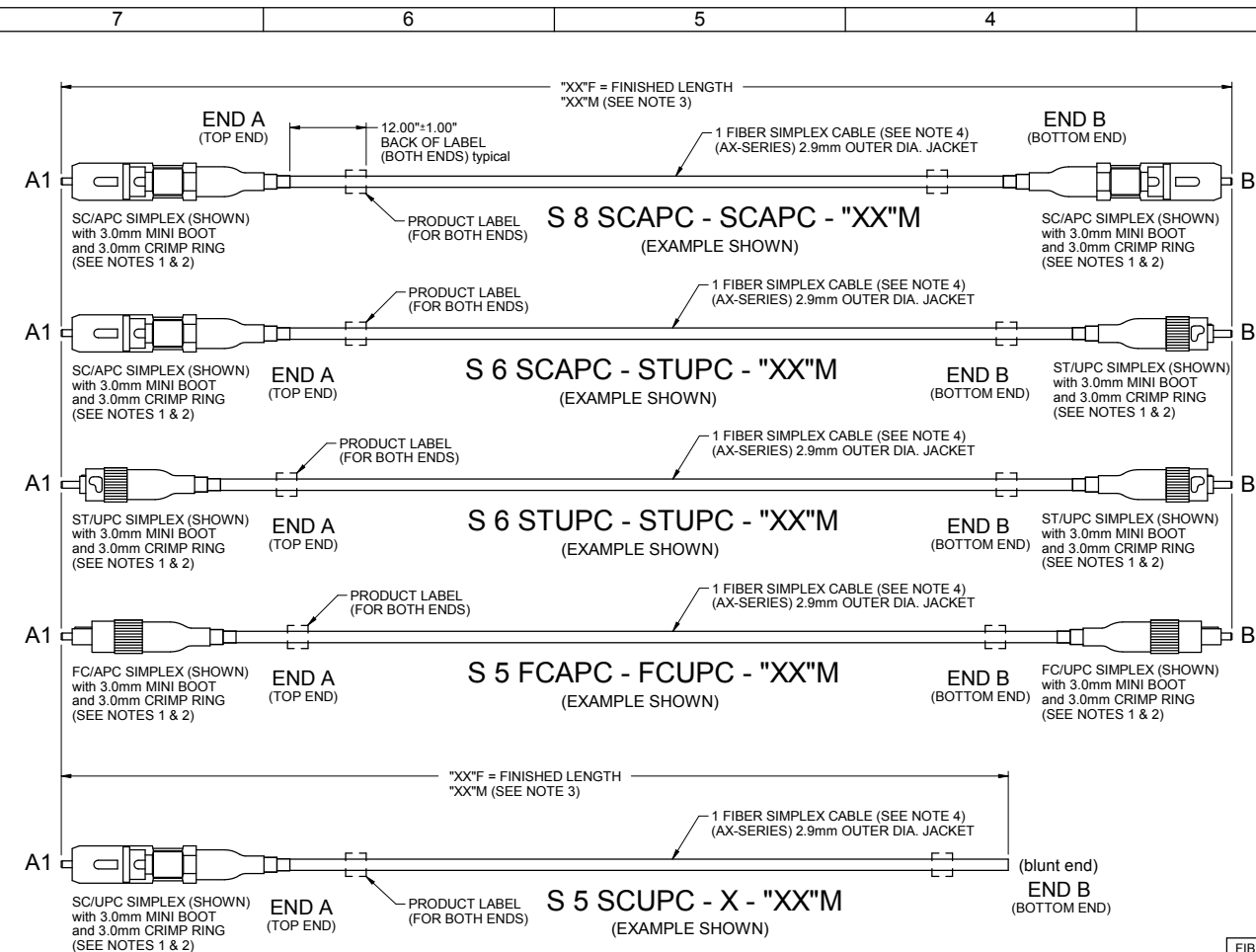
DRAWN: P.A. HOLBERT DATE: 9/8/11
CHECKED: J. HOWE DATE: 3/6/15
ENGINEER: J. YANIK DATE: 9/8/11
APPROVED: J. CALLOWAY DATE: 7/26/21
PREVIOUS DWG: _____
NEXT DWG: _____

FINISH
SEE NOTES

CRITICAL DIMENSION CODE
① = FUNCTION
② = MATING
③ = AUDIT

33 Superior Way Swannanoa, NC 28778 Phone: 828-298-2260 Fax: 828-298-2487 www.occfiber.com	
OC OPTICAL CABLE CORPORATION	
DWG TITLE: F.O. JUMPER ASSY, SM, SIMPLEX, SC-FC/SC/ST, XUPC/UPC/APC, AX-SERIES	
SIZE: C	DWG NO. C111010
SCALE: NONE	SHEET 1 OF 2

PROPRIETARY AND CONFIDENTIAL



S 8 FCAPC - SCAPC - "XX"
S 8 L SCAPC - SCUPC - "XX" "CC" P2
S 8 P SCUPC - STUPC - "XX" "CC" PK

PULLING EYE KIT (OPTIONAL)
(P2=2 PULLING EYE KITS (END A & B)
(PK=1 PULLING EYE KIT on END A only)
CABLE COLOR (SEE TABLE AT RIGHT) OPTIONAL
FINISHED LENGTH ("XX'F"=FEET, "XX'M"=METERS)

END A "TOP END" CONNECTORS (FC/APC SIMPLEX, FC/UPC SIMPLEX, SC/APC SIMPLEX, SC/UPC SIMPLEX)
END B "BOTTOM END" CONNECTORS (FC/APC SIMPLEX, FC/UPC SIMPLEX, ST/UPC SIMPLEX) FOR BLUNTS X=BLUNT END
(SC/APC SIMPLEX, SC/UPC SIMPLEX)

CABLE STYLE: AX-series 2.9mm O.D. (900µm INNER FIBER) SEE NOTE 4
FIBER MODE (5=50µmOM2, 6=62.5µmOM1, 8=9.0µmSM)
OUTER JACKET RATED (P=PLENUM, L=LSZH) NO LETTER IS FOR RISER RATED

PRODUCT CODE (1 FIBER SIMPLEX) ENTERPRISE CABLE ASSEMBLY
****WARNING: IF RODENT/TERMITE DETERRENT BE CAUTIOUS OF GLASS YARN****

SEE SHEET 2 FOR LC/PC & AE SERIES

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Connector spec operating temp range is -40°C to +75°C
Cable spec operating temp range is -40°C to +80°C

AE SERIES (NON-ARMOR) FIBER CABLE

NOTES: UNLESS OTHERWISE SPECIFIED.

1. **TESTING:** SEE OCC FIBER TEST SPEC# 104894 FOR APPROPRIATE TEST REQUIREMENTS.
TEST DATA REQUIRED FOR EACH JUMPER ASSEMBLY CONNECTOR END.

DISCREET CONNECTOR TYPE	2.0mm MINI BOOT COLOR			INNER FIBER CODE	COLOR CODE
	SINGLEMODE	50µm OM2 62.5µm OM1	SM/APC		
A1 & B1	A1 & B1	A1 & B1	A1 & B1	A1 - B1	BLUE
LC/APC SIMPLEX (SHOWN) with 2.0mm MINI BOOT and 2.0mm CRIMP RING (SEE NOTES 1 & 2)	WHITE	WHITE	-	A2 - B2	ORANGE
FC/APC SIMPLEX (SHOWN) with 2.0mm MINI BOOT and 2.0mm CRIMP RING (SEE NOTES 1 & 2)	BLACK	BLACK	-		
SC/APC SIMPLEX (SHOWN) with 2.0mm MINI BOOT and 2.0mm CRIMP RING (SEE NOTES 1 & 2)	BLUE	BEIGE	-		
ST/APC SIMPLEX (SHOWN) with 2.0mm MINI BOOT and 2.0mm CRIMP RING (SEE NOTES 1 & 2)	BLACK	BLACK	-		
LC/APC SIMPLEX	-	-	GREEN		
FC/APC SIMPLEX	-	-	GREEN		
SC/APC SIMPLEX	-	-	GREEN		

HOUSING and/or SHROUD COLOR and/or CLIP				
DISCREET CONNECTOR TYPE	SINGLEMODE	50µm OM2 62.5µm OM1	SM/APC	CODE
LC/APC SIMPLEX	BLUE	BEIGE	-	LC LCU
FC/APC SIMPLEX	METAL	METAL	-	FC FCU
SC/APC SIMPLEX	BLUE	BEIGE	-	SC SCU
ST/APC SIMPLEX	METAL	METAL	-	ST STU
LC/APC SIMPLEX	-	-	GREEN	LC LCU
FC/APC SIMPLEX	-	-	METAL	FCA -
SC/APC SIMPLEX	-	-	GREEN	SCA -

3. **ASSEMBLY (FINISHED LENGTH) TOLERANCE:**
less than or equal to 5 meters (approx. 16.4 feet) is: +2"/-0"
greater than 5 meters (approx. 16.5 feet) is: +(6" + 3%) / -0"
4. **ATTENTION:** ALL ASSEMBLIES MUST BE MANUFACTURED FROM OPTICAL CABLE CORP FIBER CABLE or have OCC ENGINEERING APPROVED EQUIVALENT.
SEE "CC" COLOR CODE CHART, TO THE RIGHT, FOR OTHER O.D. JACKET COLORS.

50µm MM (OM2) RISER 2.0mm O.D.	USE OCC FIBER CABLE# AE001DALS90R
62.5µm MM (OM1) RISER 2.0mm O.D.	USE OCC FIBER CABLE# AE001DWS90R
9.0µm SINGLEMODE RISER 2.0mm O.D.	USE OCC FIBER CABLE# AE001DLSA9YR
50µm MM (OM2) PLENUM 2.0mm O.D.	USE OCC FIBER CABLE# AE001DALS90P
62.5µm MM (OM1) PLENUM 2.0mm O.D.	USE OCC FIBER CABLE# AE001DWS90P
9.0µm SINGLEMODE PLENUM 2.0mm O.D.	USE OCC FIBER CABLE# AE001DLSA9Y
50µm MM (OM2) LSZH 2.0mm O.D.	USE OCC FIBER CABLE# AE001ZALS90Z
62.5µm MM (OM1) LSZH 2.0mm O.D.	USE OCC FIBER CABLE# AE001ZWS90Z
9.0µm SINGLEMODE LSZH 2.0mm O.D.	USE OCC FIBER CABLE# AE001ZLSA9YZ

5. **PULLING EYE KIT(S):** KITS INTENDED FOR LIGHT (EASY) DUTY ONLY.
ADD "PK" or "P2" TO SUFFIX OF OCC P/N.

FIBER CABLE OUTER JACKET COLOR CODE	CODE	COLOR
BL	BLUE	
OR	ORANGE	
GN	GREEN	
BN	BROWN	
SL	SLATE	
WT	WHITE	
RD	RED	
BK	BLACK	
YL	YELLOW	
PL	VIOLET	
RS	ROSE	
AQ	AQUA	

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DRAWN: D.A.HOLBERT DATE: 9/8/11

CHECKED: J.HOWE DATE: 3/6/15

ENGINEER: J.YANIK DATE: 9/8/11

APPROVED: J.CALLOWAY DATE: 7/26/21

PREVIOUS DWG: _____

NEXT DWG: _____

FILENAME: C111010G.dft SCALE: NONE SHEET: 2 OF 2

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PREVIOUS DWG: _____

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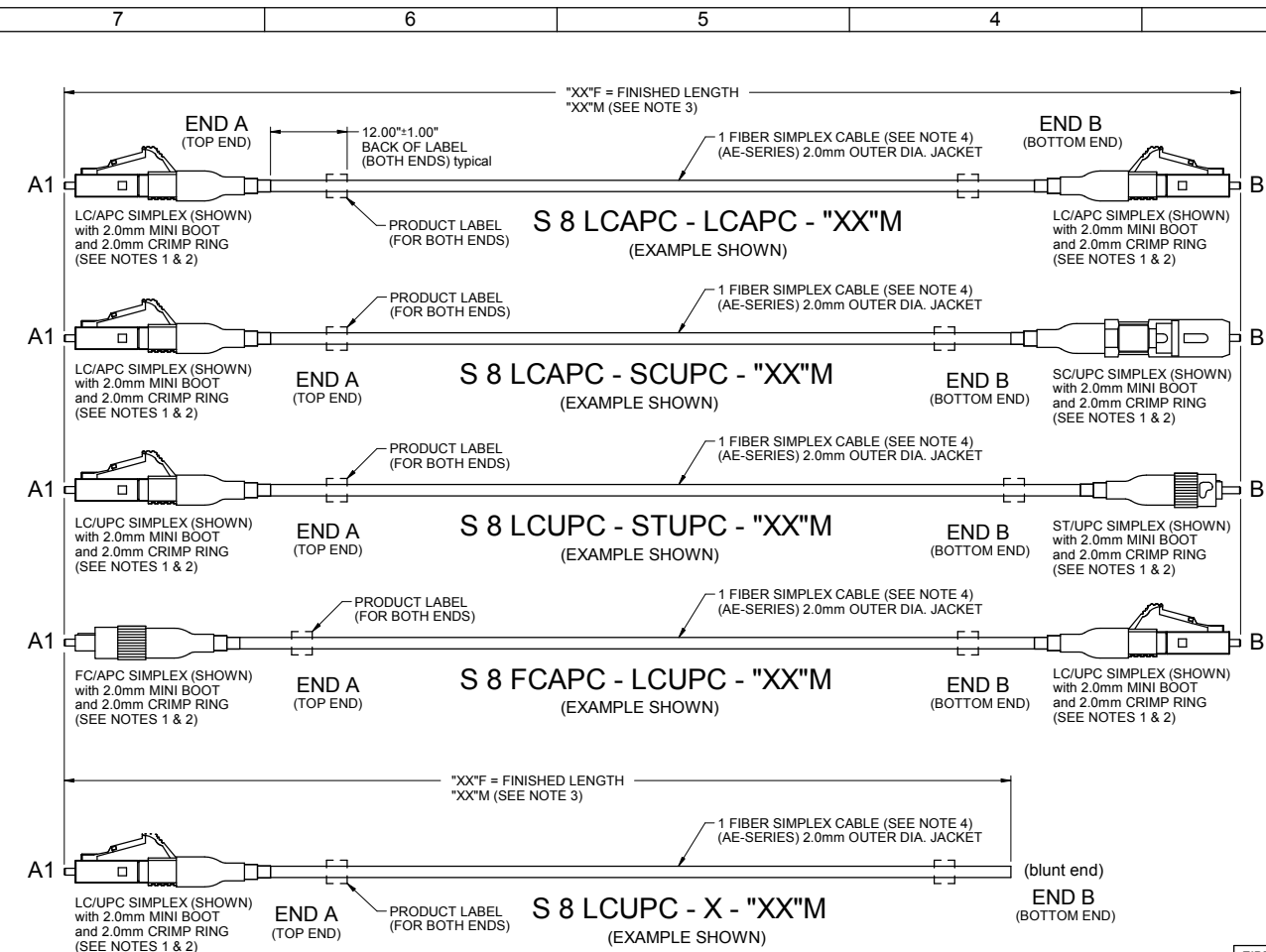
FILENAME: C111010G.dft SCALE: NONE SHEET: 2 OF 2

OCC
OPTICAL CABLE CORPORATION

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www.occfiber.com

DWG TITLE: F.O. JUMPER ASSY, SM, SIMPLEX, LC-FC/SC/ST, XUPC/UPC/APC, AE-SERIES

SIZE: C DWG NO: **C111010** REV: G



S 8 FCAPC - LCAPC - "XX"
S 8 L LCAPC - LCUPC - "XX" "CC" P2
S 8 P LCUPC - STUPC - "XX" "CC" PK

PULLING EYE KIT (OPTIONAL)
(P2=2 PULLING EYE KITS (END A & B)
(PK=1 PULLING EYE KIT ON END A only)

CABLE COLOR (SEE TABLE AT RIGHT) OPTIONAL

FINISHED LENGTH ("XX" F=FEET, "XX" M=METERS)

END A "TOP END" CONNECTORS (FC/APC SIMPLEX, FC/UPC SIMPLEX, LC/APC SIMPLEX, LC/UPC SIMPLEX)
END B "BOTTOM END" CONNECTORS (LC/APC SIMPLEX, LC/UPC SIMPLEX, ST/UPC SIMPLEX) **FOR BLUNTS X=BLUNT END**
(SC/APC SIMPLEX, SC/UPC SIMPLEX)

CABLE STYLE: AE-series 2.0mm O.D. (900µm INNER FIBER) SEE NOTE 4
FIBER MODE: (5=50µm OM2, 6=62.5µm OM1, 8=9.0µm SM)
OUTER JACKET RATED (P=PLENUM, L=LSZH) NO LETTER IS FOR RISER RATED

PRODUCT CODE (1 FIBER SIMPLEX) ENTERPRISE CABLE ASSEMBLY
****WARNING: IF RODENT/TERMITE DETERRENT BE CAUTIOUS OF GLASS YARN****

SEE SHEET 1 FOR SC/PC & AX SERIES

THIRD ANGLE PROJECTION

CRITICAL DIMENSION CODE

① = FUNCTION
② = MATING
③ = AUDIT

FINISH
SEE NOTES

PROPRIETARY AND CONFIDENTIAL