

"OPTICAL CABLE CORPORATION (OCC)
RESERVES THE RIGHT TO REVISE ANY
AND ALL DESIGN SPECIFICATIONS."
UNCONTROLLED COPY

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	2.0mm MINI BOOT COLOR		INNER FIBER CODE	COLOR CODE
	SINGLEMODE	50µm OM2 62.5µm OM1		
A1 & B1	A1 & B1	A1 & B1	A1 - B1	BLUE
FC/PC	BLACK	BLACK	A2 - B2	ORANGE
SC/PC	BLUE	BEIGE		
ST/PC	BLACK	BLACK		

HOUSING and/or SHROUD COLOR			
DISCREET CONNECTOR TYPE	SINGLEMODE	50µm OM2 62.5µm OM1	CODE
FC/PC SIMPLEX	METAL	METAL	FC
SC/PC SIMPLEX	BLUE	BEIGE	SC
ST/PC SIMPLEX	METAL	METAL	ST

CONNECTOR BODY HOUSING MATERIAL
SC "THERMOPLASTIC"
FC and ST "METAL"

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# AX001NAL9SOR
62.5µm MM (OM1) RISER 2.9mm O.D.	USE OCC FIBER CABLE# AX001NWL9SOR
9.0µm SINGLEMODE RISER 2.9mm O.D.	USE OCC FIBER CABLE# AX001NSLA9YR
50µm MM (OM2) PLENUM 2.9mm O.D.	USE OCC FIBER CABLE# AX001SAL9SOP
62.5µm MM (OM1) PLENUM 2.9mm O.D.	USE OCC FIBER CABLE# AX001SWLA9YP
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# AX001ZAL9SOE
62.5µm MM (OM1) LSZH 2.9mm O.D.	USE OCC FIBER CABLE# AX001ZWL9SOE
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	
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 PROPERTY OF OPTICAL CABLE CORPORATION AND MAY NOT BE USED AS THE BASIS FOR MANUFACTURE OR SALE WITHOUT SPECIFIC WRITTEN PERMISSION OF OPTICAL CABLE CORPORATION.

DRAWN: D.A.HOLBERT DATE: 9/8/11
CHECKED: J.HOWE DATE: 3/2/15
ENGINEER: J.YANIK DATE: 9/8/11
APPROVED: J.CALLOWAY DATE: 7/26/21
PREVIOUS DWG:
NEXT DWG:
FINISH: SEE NOTES

THIRD ANGLE PROJECTION
CRITICAL DIMENSION CODE
①=FUNCTION
②=MATING
③=AUDIT

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DWG TITLE: F.O.JUMPER ASSY, SIMPLEX, SM/MM, SC-FC/SC/ST, AX-SERIES

SIZE: C DWG NO. C111008 REV: H
SCALE: NONE SHEET: 1 OF 2

PROPRIETARY AND CONFIDENTIAL

S 8 FC - SC - "XX"
S 6 L SC - SC - "XX" "CC" P2
S 5 P SC - ST - "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"=FEET, "XX"=METERS)

END A "TOP END" CONNECTORS (FC/PC SIMPLEX, SC/PC SIMPLEX, ST/PC SIMPLEX)

END B "BOTTOM END" CONNECTORS (FC/PC SIMPLEX, SC/PC SIMPLEX, ST/PC SIMPLEX) FOR BLUNTS X=BLUNT END

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.

2. DISCREET CONNECTOR TYPE	2.0mm MINI BOOT COLOR		INNER FIBER	COLOR CODE
	SINGLEMODE	50µm OM2		
A1 & B1	62.5µm OM1		A1 - B1	BLUE
LC/PC	WHITE	WHITE	A2 - B2	ORANGE
FC/PC	BLACK	BLACK		
SC/PC	BLUE	BEIGE		
ST/PC	BLACK	BLACK		

HOUSING and/or SHROUD COLOR			
DISCREET CONNECTOR TYPE	SINGLEMODE	50µm OM2	CODE
LC/PC SIMPLEX	BLUE	BEIGE	LC
FC/PC SIMPLEX	METAL	METAL	FC
SC/PC SIMPLEX	BLUE	BEIGE	SC
ST/PC SIMPLEX	METAL	METAL	ST

CONNECTOR BODY HOUSING MATERIAL
LC and SC "THERMOPLASTIC"
FC and ST "METAL"

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# AE001DALS9OR
62.5µm MM (OM1) RISER 2.0mm O.D.	USE OCC FIBER CABLE# AE001DWLS9OR
9.0µm SINGLEMODE RISER 2.0mm O.D.	USE OCC FIBER CABLE# AE001DSL9AYR
50µm MM (OM2) PLENUM 2.0mm O.D.	USE OCC FIBER CABLE# AE001SALS9OP
62.5µm MM (OM1) PLENUM 2.0mm O.D.	USE OCC FIBER CABLE# AE001SLS9OP
9.0µm SINGLEMODE PLENUM 2.0mm O.D.	USE OCC FIBER CABLE# AE001SSL9AYZ
50µm MM (OM2) LSZH 2.0mm O.D.	USE OCC FIBER CABLE# AE001ZALS9OZ
62.5µm MM (OM1) LSZH 2.0mm O.D.	USE OCC FIBER CABLE# AE001ZWLS9OZ
9.0µm SINGLEMODE LSZH 2.0mm O.D.	USE OCC FIBER CABLE# AE001ZSL9AYZ

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	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONS ±1/32"
ANGLES ±1/2°
3 PLACE DECIMALS ±.015"
2 PLACE DECIMALS ±.03"

MATERIAL SEE BILL OF MATERIAL

FINISH SEE NOTES

THIRD ANGLE PROJECTION
CRITICAL DIMENSION CODE
① → FUNCTION
② → MATING
③ → AUDIT

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PREVIOUS DWG
NEXT DWG

OCC
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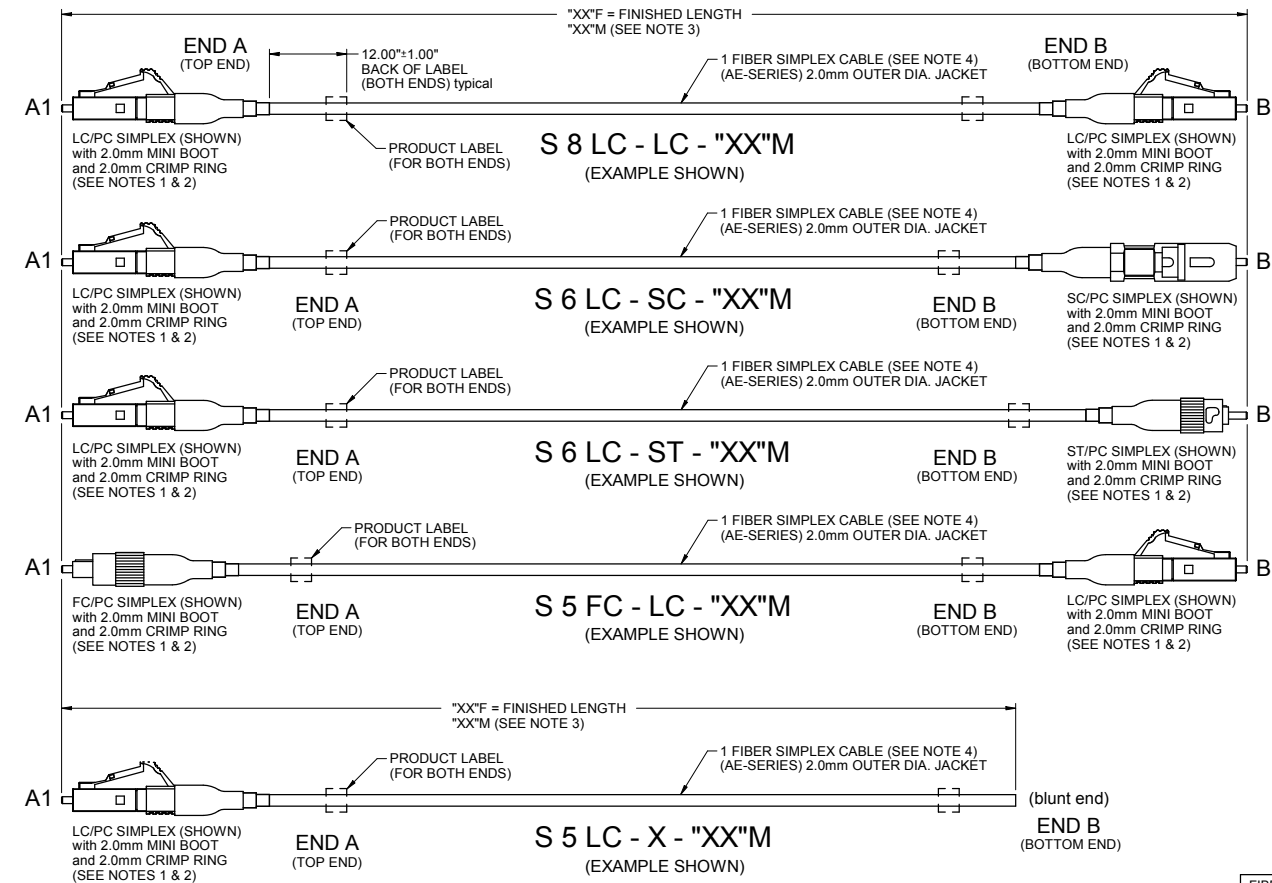
DWG TITLE: F.O.JUMPER ASSY, SIMPLEX, SM/MM, LC-FC/SC/ST, AE-SERIES

SIZE C DWG NO. C111008 REV H

SCALE: NONE SHEET 2 OF 2

FILENAME: C111008H.dft

PROPRIETARY AND CONFIDENTIAL



S8 FC-LC-XX"
S6 LC-SC-XX" "CC" P2 (EXAMPLES SHOWN)
S5 LC-ST-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"=FEET, "XX"=METERS)

END A "TOP END" CONNECTORS (FC/PC SIMPLEX, LC/PC SIMPLEX)

END B "BOTTOM END" CONNECTORS (LC/PC SIMPLEX, SC/PC SIMPLEX, ST/PC SIMPLEX) **FOR BLUNTS X=BLUNT END**

CABLE STYLE AE-series 2.0mm 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 1 FOR SC/PC & AX SERIES