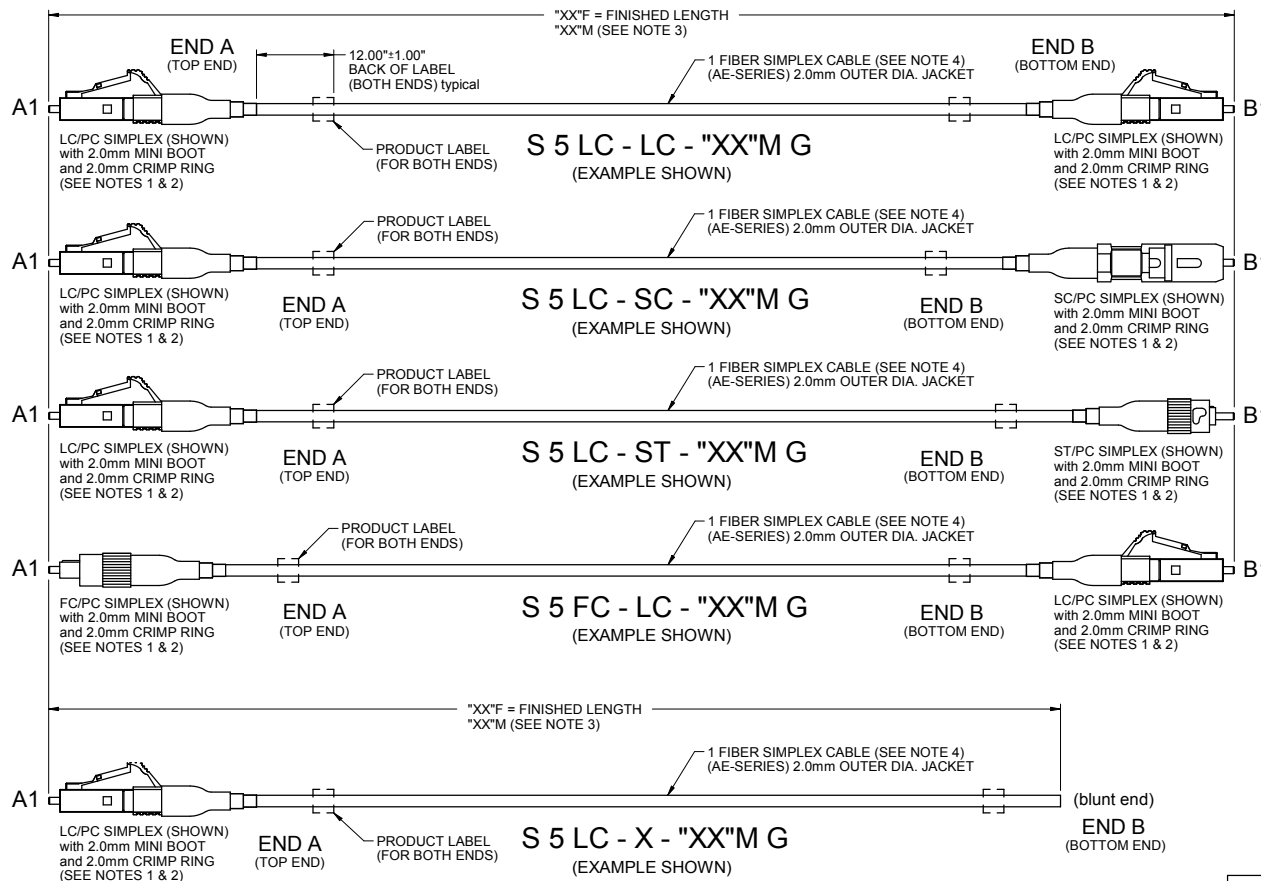


"OPTICAL CABLE CORPORATION (OCC)
RESERVES THE RIGHT TO REVISE ANY
AND ALL DESIGN SPECIFICATIONS."
UNCONTROLLED COPY



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

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 | COLOR CODE |
|-------------------------|-----------------------|----------|-------------|------------|
| | 50µm OM3 | 50µm OM5 | | |
| A1 & B1 | A1 & B1 | A1 & B1 | A1 - B1 | BLUE |
| LC/PC | WHITE | WHITE | A2 - B2 | ORANGE |
| FC/PC | BLACK | LIME | | |
| SC/PC | BLACK | LIME | | |
| ST/PC | BLACK | LIME | | |

| HOUSING and/or SHROUD COLOR | | | |
|-----------------------------|----------|----------|------|
| DISCREET CONNECTOR TYPE | 50µm OM3 | 50µm OM5 | CODE |
| LC/PC SIMPLEX | AQUA | LIME | LC |
| FC/PC SIMPLEX | METAL | METAL | FC |
| SC/PC SIMPLEX | AQUA | LIME | 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 (OM3) RISER 2.0mm O.D. | OCC FIBER CABLE# AE001DAL79QR |
| 50µm MM (OM4) RISER 2.0mm O.D. | OCC FIBER CABLE# AE001DALE9QR |
| 50µm MM (OM5) RISER 2.0mm O.D. | OCC FIBER CABLE# AE001DALW9LR |
| 50µm MM (OM3) PLENUM 2.0mm O.D. | OCC FIBER CABLE# AE001SAL79QP |
| 50µm MM (OM4) PLENUM 2.0mm O.D. | OCC FIBER CABLE# AE001SALE9QP |
| 50µm MM (OM5) PLENUM 2.0mm O.D. | OCC FIBER CABLE# AE001SALW9LP |
| 50µm MM (OM3) LSZH 2.0mm O.D. | OCC FIBER CABLE# AE001ZAL79QZ |
| 50µm MM (OM4) LSZH 2.0mm O.D. | OCC FIBER CABLE# AE001ZALE9QZ |
| 50µm MM (OM5) LSZH 2.0mm O.D. | OCC FIBER CABLE# AE001ZALW9LZ |

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

S 5 FC - LC - "XX" G
S 5 L LC - ST - "XX" Q "CC" P2
S 5 P LC - SC - "XX" V "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
FIBER MODE ADD (G=50µm OM3, Q=50µm OM4, V=50µm OM5)
FINISHED LENGTH ("XX" F = FEET, "XX" M = 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 (S=50µm) SEE ABOVE FOR OM3, OM4 or OM5 CODES
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

| 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 | |

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

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

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 | 2/19/13 |
| CHECKED | J.HOWE | DATE | 3/3/15 |
| ENGINEER | J.YANIK | DATE | 2/19/13 |
| APPROVED | J.CALLOWAY | DATE | 7/26/21 |
| PREVIOUS DWG | | | |
| NEXT DWG | | | |

FINISH SEE NOTES



33 Superior Way
Swannanoa, NC 28778
Phone: 828-298-2260
Fax: 828-298-2487
www.occfiber.com

DWG TITLE F.O. JUMPER ASSY, MM, SIMPLEX,
LC-FC/SC/ST, AE-series, 50µm OM3/OM4

SIZE C DWG NO. 111453 REV H

SCALE: NONE SHEET 2 OF 2

PROPRIETARY AND CONFIDENTIAL