

NOTES
1. Overall length measured from the end of longest leg on VF SIDE to end of longest leg on OCS SIDE, where "XXX" is overall length in meters.
2. Pulling eye required. Blue at VF SIDE & Black at OCS SIDE.
3. Fiber spool required.
4. Part No./ Serial No. label should follow same orientation as strand label.
5. Refer to SOP-D-0044 for specialized SST instructions for bundling with mesh sleeve.
6. For general packaging requirements, see P-00-HS-0216.
7. For GCD Packaging and labeling, see spec. P-00-HS-0119.

FIBER
1. Fiber: SMF28 Ultra (Core: 9um, Cladding: 125um) or equivalent fiber.
2. Jacket: 3mm riser grade. 18 fibers share one jacket. Strength member: Kevlar. Buffer: 250um.
3. Fiber compliant with Telcordia GR-409-CORE (indoor), and ITU-T G.657.A1 and G.652.D.

LC Connector

1. Uniboot LC/APC, green house, MINI boot black boot, Senko P/N 948-153-3C3-H01.
Uniboot LC/APC, green house, MINI boot white boot, Senko P/N 948-153-3C1-H01.
Uniboot LC/APC, green house, MINI boot red boot, Senko P/N 948-153-3C5-H01.
2. Ferrule construction: Zirconia ceramic, domed endface.
3. Boot construction: polyester.
4. Insertion loss: ≤0.20 dB.
5. Connector return loss: ≤-62 dB.
6. Mating durability (500 cycles): ≤0.20 dB.
7. Wavelength: 1310nm/1550nm.
8. Operating temperature: -20°C to +70°C.
9. Connector compliant with Telcordia GR-326.
10. Use duplex dust caps.

| | | | |
|-----------|---|------------|---------------|
| 11 | (1X) Per 24ECO70515: Updated packing note to require spools for any length of assembly. | 1/26/2024 | M. Villarreal |
| 10 | (3X) Per 23ECO68385: Removed wrong reference from note 2 in page 1, moved details C and D to page 2, added new packaging reference in page 4. | 10/19/2023 | M. Villarreal |
| 09 | (4X) Per 23ECO67789: Remove the "S/N" text from strand labels printing specification and examples on sheet 3. | 9/22/2023 | A. Hernandez |
| 08 | (3X) [23ECO65443] Removed PE bag from pullig eye schematic, BOM table and notes | 5/31/2023 | A. Hernandez |
| 07 | (12X) [23ECO64307] Added colored strand labels and dust caps to BOM, corrected strand labels configurator, connectors P/N and description to Mini boot, changed Breakout kits description, modified pulling rope color and heatshrinks OD and length and deleted section E. | 3/23/2023 | A. Hernandez |
| 06 | [23ECO62070] (1X) Corrected wavelength from 1300nm to 1310nm | 01/02/2023 | A. Isaac |
| 05 | [22ECR61049] (1X) Added note 7. | 11/30/2022 | F. Araujo |
| 04 | (3X) Updated description item 5, view to shown SST kit & added detail D. | 7/7/2022 | A. Isaac |
| 03 | (2X) Updated SST transition on side B and added note 6 | 3/1/2022 | J. Ruiz |
| 02 | (7X) Updated label detail added break line, reduced table of connectors, removed picture in packaging page | 09/22/2021 | J. Ruiz |
| 01 | Drawing Created | 09/13/2021 | J. Lozano |
| REV. | DESCRIPTION | DATE | INITIAL |
| REVISIONS | | | |

| # | Item | Description | Reference |
|----|-----------------------------------|--|----------------|
| 1 | Cable | Cable 3mm, OFNR, 18 Fibers | C-21-FF-0001 |
| 2 | LC Uniboot Connector (white boot) | LCA Uniboot, Pitch: 6.25 mm, Green, MINI boot 2.0mm, white boot | HS-A-1053-0004 |
| 3 | LC Uniboot Connector (black boot) | LCA Uniboot, Pitch: 6.25 mm, Green, MINI boot 2.0mm, black boot | HS-A-1053-0004 |
| 4 | LC Uniboot Connector (red boot) | LCA Uniboot, Pitch: 6.25 mm, Green, MINI boot 2.0mm, red boot | HS-A-1053-0004 |
| 5 | Mesh Sleeve | Mesh Sleeve, Green Flame rating FMVSS302 compliant | N/A |
| 6 | Breakout Kit SST (VF side) | Breakout Kit, 3x3 Matrix, 2FPT, 2.0mm, 4.5mm trunk, Yellow, 18F | HS-A-2308-0006 |
| 7 | Breakout Kit SST (OCS side) | Breakout Kit, 3x4 Matrix, 2FPT (ZIP), 2.0mm, 4.5mm trunk, Yellow (7408), 18F | HS-A-2308-0006 |
| 8 | P/N Barcode Label (White) | P/N Barcode Label (White) Wrap-around | P-00-HS-0300 |
| 9 | S/N Barcode Label (White) | S/N Barcode Label (White) Wrap-around | P-00-HS-0300 |
| 10 | Strand Barcode Label (White) | Strand Barcode Label, (White), Flag type | P-00-HS-0300 |
| 11 | Strand Barcode Label (Red) | Strand Barcode Label, (Red), Flag type | P-00-HS-0300 |
| 12 | Strand Barcode Label (Blue) | Strand Barcode Label, (Blue), Flag type | P-00-HS-0300 |
| 13 | Strand Barcode Label (Orange) | Strand Barcode Label, (Orange), Flag type | P-00-HS-0300 |
| 14 | Strand Barcode Label (Green) | Strand Barcode Label, (Green), Flag type | P-00-HS-0300 |
| 15 | Strand Barcode Label (Purple) | Strand Barcode Label, (Purple), Flag type | P-00-HS-0300 |
| 16 | LC Duplex Dust Cap | LC Duplex Dust Cap for Lanyard, Beige | N/A |

| GPN | | MPN | | Description | |
|---|-----|---|------|---|-------------------------|
| 30003156-XXX (XXX=008 to 200 increment of 004) | | T7ZZDR9PCC-0462-MXXX (XXX=008 to 200 increment of 004) | | Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Green Expando), Fanout(Am VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-4, xxxm | |
| DRAWN | | NAME | DATE | TITLE: Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Green Expando), Fanout(Am VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-4, xxxm | PROD. REF. B-00-HS-0100 |
| J. Lozano | | 09/13/2021 | | | |
| SIZE | B | DWG. # HS-B-2301-0533-11 | | FAMILY PART # D8062-4 - T7ZZDR9PCC-0462-MXXX | |
| SCALE | 1:3 | 2024-02-01 14:17:49 | | AFL HYPERSCALE. 8039 S 192nd St., Suite 100 Kent, WA 98032 | |
| APPROVED | | PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF AFL IG Ltd. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF AFL IG Ltd. IS PROHIBITED. | | UNLESS OTHERWISE SPECIFIED DIMENSIONS: mm [in] OVERALL LENGTH ≤ 5m [16.40 ft]: -0/+100 [1.97] > 5m [16.40 ft]: -0/+2% [1.97] | |
| AFL HYPERSCALE EC COMMITTEE | | | | SHEET 1 OF 4 | |
| | | | | REV 11 | |

D

C

B

A

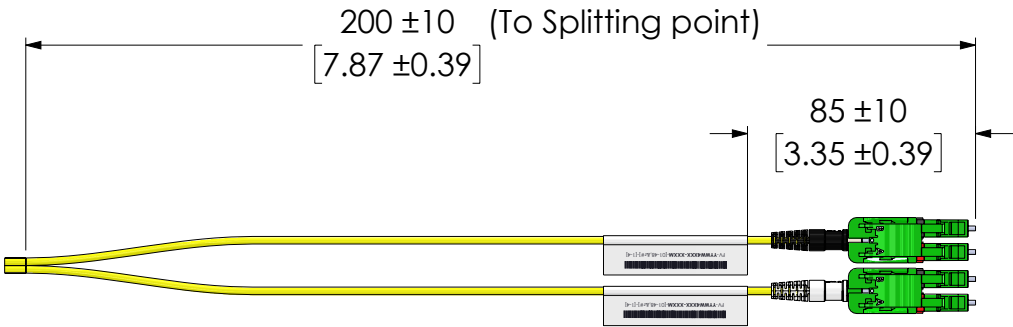
D

C

B

A

| POLARITY: A-B | | | | |
|---------------|-------------|---|----------|-------------|
| VF SIDE | Fiber Color | | OCS SIDE | Fiber Color |
| 25-A | Blue1 | ↔ | 25-1-B | Blue1 |
| 25-B | Orange1 | ↔ | 25-1-A | Orange1 |
| 26-A | Green1 | ↔ | 26-1-B | Green1 |
| 26-B | Brown1 | ↔ | 26-1-A | Brown1 |
| 27-A | Slate1 | ↔ | 27-2-B | Slate1 |
| 27-B | White1 | ↔ | 27-2-A | White1 |
| 28-A | Red1 | ↔ | 28-2-B | Red1 |
| 28-B | Black1 | ↔ | 28-2-A | Black1 |
| 29-A | Yellow1 | ↔ | 29-3-B | Yellow1 |
| 29-B | Violet1 | ↔ | 29-3-A | Violet1 |
| 30-A | Rose1 | ↔ | 30-3-B | Rose1 |
| 30-B | Aqua1 | ↔ | 30-3-A | Aqua1 |
| 31-A | Blue2 | ↔ | 31-4-B | Blue2 |
| 31-B | Orange2 | ↔ | 31-4-A | Orange2 |
| 32-A | Green2 | ↔ | 32-4-B | Green2 |
| 32-B | Brown2 | ↔ | 32-4-A | Brown2 |
| r4-A | Slate2 | ↔ | r4-0-B | Slate2 |
| r4-B | White2 | ↔ | r4-0-A | White2 |



- Detail C
LC Uniboot Connector
- Strand Label Color Coding:
- OCS Slot# 1: blue, Pantone 2728C
 - OCS Slot#2: orange, Pantone 2013C
 - OCS Slot#3: green, Pantone green C
 - OCS Slot#4: violet, Pantone violet C
 - Breakfix: red, Pantone 032C
- Connector boot Color Coding:
- odd VF_Port#: black
 - even VF_Port#: white
 - Breakfix: red



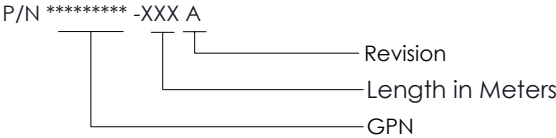
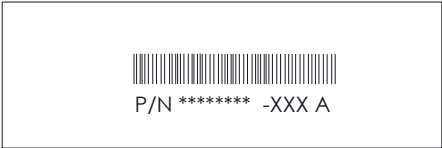
Detail D

| | | | | | | | |
|-------|-----|--|------------|---|--|--|--------------|
| | | NAME | DATE | TITLE: Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Green Expando), Fanout(Am VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-4, xxxm | | PROD. REF. | TEST REF. |
| DRAWN | | J. Lozano | 09/13/2021 | | | | B-00-HS-0100 |
| SIZE | B | 2024-02-01 14:17:49 | | DWG. # | FAMILY PART # | AFL HYPERSCALE. 8039 S 192nd St., Suite 100 Kent, WA 98032 | |
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D

D

P/N Barcode Label

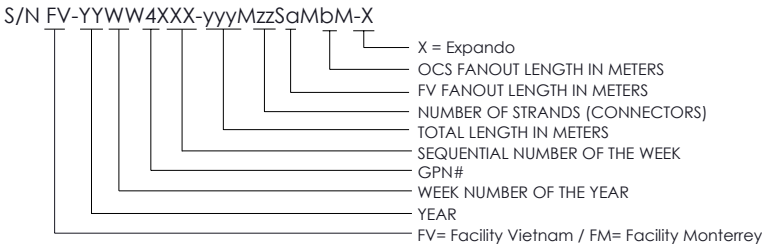


NOTES:

- Label Material: Polyester w/ adhesive back, RoHS and Agency (e.g. UL) compliance
- Barcode Format: Code 128, Height ≥ 4mm, readable text centered below
- Double sided for a flag label; 2 copies for wrap-around cable if the size allows
- Fiber length: in meters, round to 1-decimal for non-integer (e.g. "1.3" for 1.25 meters)
- All sequential numbers use an underscore (" _ ") for 6 & 9

- Wrap-around label, 2 copies if the size allows
- Length ≤ 35mm, font Arial ≥ 7pt
- The text "P/N" or revision "A" only in human readable text, not included in the barcode. The barcode contents only "*****-XXX".

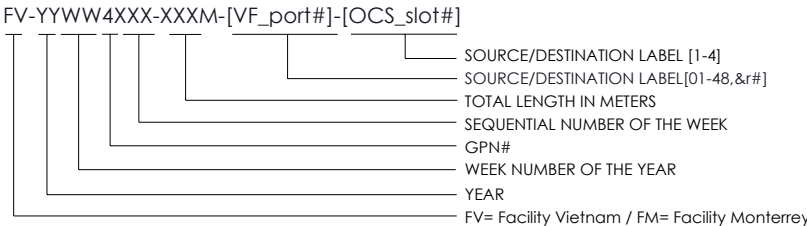
S/N Barcode Label



* wrap around cable

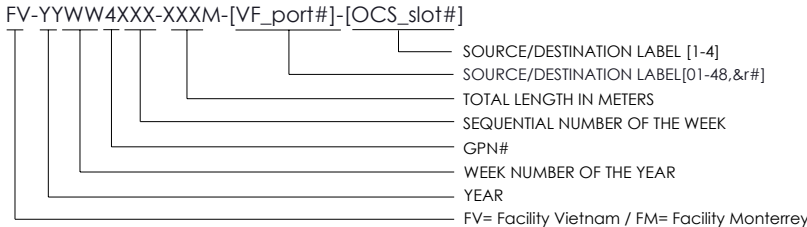
- Label material: polyester w/ adhesive back, rohs and agency (e.g. ul) compliance.
- Barcode: code 128, height ≥ 4mm, readable text centered below
- Double sided for a flag label; 2 copies for wrap-around label if the size allows
- Fiber length: in meters, round to 1-decimal for non-integer (e.g. "1.3" for 1.25 meters)
- All sequential numbers use an underscore (" _ ") for 6 & 9

Strand Barcode Label for OCS side




- Strand label is a joint of regular S/N label, and source/destination label. Only [Src/Det] portion is denoted in the following drawings for simplicity.
- Hyphen "-" for all separators (no extra blank spaces)
- Barcode label:
 - flag type, double sided (two copies of texts and barcodes for each strand label)
 - ≤ 15x50mm after folded, barcode height ≥ 4mm, code 128;
 - colored label background, black text;
 - barcode text font Arial ≥ 7pt
- Breakfix port # is lower case, for example "r2";
- Highlight "YYWWGNNN-XXXM" in the strand label text with bold font
- All sequential numbers use an underscore (" _ ") for 6 & 9

Strand Barcode Label for VF side



- Strand label is a joint of regular S/N label, and source/destination label. Only [Src/Det] portion is denoted in the following drawings for simplicity.
- Hyphen "-" for all separators (no extra blank spaces)
- Barcode label:
 - flag type, double sided (two copies of texts and barcodes for each strand label)
 - ≤ 15x50mm after folded, barcode height ≥ 4mm, code 128;
 - colored label background, black text;
 - barcode text font Arial ≥ 7pt
- Breakfix port # is lower case, for example "r2";
- Highlight "YYWWGNNN-XXXM" in the strand label text with bold font
- All sequential numbers use an underscore (" _ ") for 6 & 9
- For VF side strand label, append a colored thumbnail (font Arial bold 22pt) to indicate [VF_port#]

| | | | | | | | |
|---|-----|--|------------|---|--------------------------------|--|--------------|
| | | NAME | DATE | TITLE: Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Green Expando), Fanout(Am VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-4, xxxm | | PROD. REF. | TEST REF. |
| DRAWN | | J. Lozano | 09/13/2021 | | | | B-00-HS-0100 |
| SIZE | B | 2024-02-01 14:17:49 | | DWG. # | FAMILY PART # | AFL HYPERSCALE. 8039 S 192nd St., Suite 100 Kent, WA 98032 | |
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| | | | | | | | |
|  | | | | | | SHEET 3 OF 4 | REV 11 |

A

A

B

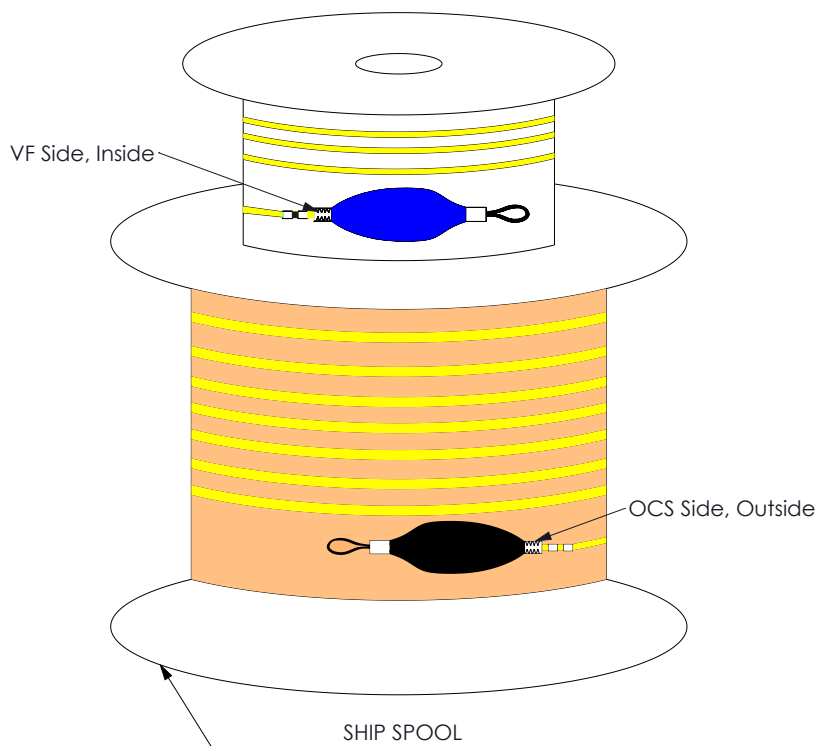
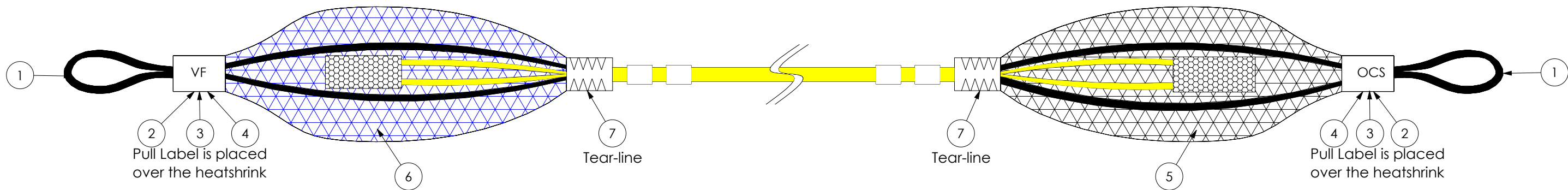
B

C

C

VF SIDE

OCS SIDE



P/N ***** -XXX A

Note: Use Font Arial, biggest size possible

PULLING EYE

1. Mesh color: blue for VF side, and black for OCS side.
2. Bubble wrap is needed to hold the connectors.
3. Pulling cord is needed for easy extracting/tearing.
4. Need P/N barcode on packaging labels and cable spool labels.

| # | Item | Description | Reference |
|---------------|---------------------|--|---|
| ① | Pull Rope | 1/8" Expando, Black | E-00-HS-0233 (For strand fixation in side B) SOP-D-0036 |
| ② | Zip tie | 1mm X 2.5mm Zip tie | |
| ③ | Heatshrink Tube | Length 75mm, OD 1/2" or 3/4", 2:1 ratio, adhesive lined | |
| ④ | Pull Label | White label | |
| ⑤ | Mesh Socket (Black) | Black | |
| ⑥ | Mesh Socket (Blue) | Blue | |
| ⑦ | Heatshrink Tube | Length 100mm, OD 3/4", 2:1 ratio, black, adhesive lined, easy tear | |
| ⑧ | Velcro | ≤ 1/2" Width and 3" long | |
| DRAWN | | NAME J. Lozano | DATE 09/13/2021 |
| SIZE | | B | |
| SCALE | | 1:3 | |
| | | 2024-02-01 14:17:49 | |
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| DWG. # | | HS-B-2301-0533-11 | |
| FAMILY PART # | | D8062-4 - T7ZZDR9PCC-0462-MXXX | |
| PROD. REF. | | TEST REF. | |
| | | B-00-HS-0100 | |
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