

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.

LCA Connector			
1. Uniboot LCA/APC, green house, MINI boot 2.0mm black boot, Senko P/N 948-153-3C3-H01. Uniboot LCA/APC, green house, MINI boot 2.0mm white boot, Senko P/N 948-153-3C1-H01. Uniboot LCA/APC, green house, MINI boot 2.0mm 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: Removed the "S/N" text and highlighted "YYWWGNNN-XXXX" from strand labels printing specification and examples on sheet 3.	9/21/2023	A. Hernandez
08	(3X) (23ECO65443) Removed PE bag from pulling eye schematic, BOM table and notes	5/30/2023	A. Hernandez
07	(10X) (23ECO64307) Added colored strand labels and dust caps to BOM, corrected 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 note 2, schematic view to shown SST kit and added detail D.	7/5/2022	F. Araujo
03	(1X) Updated SST transition on side B	03/01/2022	J. Ruiz
02	(7X) Updated label detail added break line, reduced table of connectors, removed picture in packaging page	09/20/2021	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	LCA Uniboot Connector (white boot)	LCA Uniboot,Pitch: 6.25 mm,Green,MINI boot 2.0mm, white boot	HS-A-1053-0004
③	LCA Uniboot Connector (black boot)	LCA Uniboot,Pitch: 6.25 mm,Green,MINI boot 2.0mm, black boot	HS-A-1053-0004
④	LCA 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, Red 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	
30003153-XXX (XXX=008 to 200 increment of 004)		17ZZDR9PCC-0459-MXXX (XXX=008 to 200 increment of 004)		Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Red Expando), Fanout(Am VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-1, xxxm	
DRAWN		NAME	DATE	TITLE: Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Red Expando), Fanout(Am VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-1, xxxm	PROD. REF. TEST REF.
		J. Lozano	09/13/2021		B-00-HS-0100
SIZE	B	DWG. #		HS-B-2301-0503-11	FAMILY PART # D8062-1-17ZZDR9PCC-0459-MXXX
SCALE	1:3	2024-02-01 14:20:03		PROPRIETARY AND CONFIDENTIAL	
		APPROVED		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.	
		AFL HYPERSCALE EC COMMITTEE		UNLESS OTHERWISE SPECIFIED DIMENSIONS: mm [in] OVERALL LENGTH ≤ 5m [16.40 ft]: > 5m [16.40 ft]:	
				-0/+100 [1.97] -0/+2% [+2%]	
AFL HYPERSCALE. 8039 S 192nd St., Suite 100 Kent, WA 98032					
SHEET 1 OF 4					

REV 11

D

C

B

A

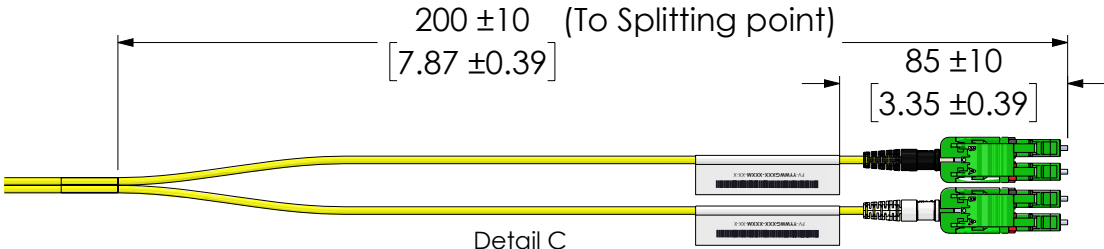
D

C

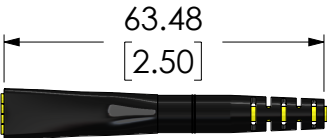
B

A


POLARITY: A-B				
VF SIDE	Fiber Color		OCS SIDE	Fiber Color
01-A	Blue1	↔	01-1-B	Blue1
01-B	Orange1	↔	01-1-A	Orange1
02-A	Green1	↔	02-1-B	Green1
02-B	Brown1	↔	02-1-A	Brown1
03-A	Slate1	↔	03-2-B	Slate1
03-B	White1	↔	03-2-A	White1
04-A	Red1	↔	04-2-B	Red1
04-B	Black1	↔	04-2-A	Black1
05-A	Yellow1	↔	05-3-B	Yellow1
05-B	Violet1	↔	05-3-A	Violet1
06-A	Rose1	↔	06-3-B	Rose1
06-B	Aqua1	↔	06-3-A	Aqua1
07-A	Blue2	↔	07-4-B	Blue2
07-B	Orange2	↔	07-4-A	Orange2
08-A	Green2	↔	08-4-B	Green2
08-B	Brown2	↔	08-4-A	Brown2
r1-A	Slate2	↔	r1-0-B	Slate2
r1-B	White2	↔	r1-0-A	White2



- 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: purple, Pantone Purple C
 - Breakfix: red, Pantone 032C
- Connector boot Color Coding:
- odd VF_Port#: black
 - even VF_Port#: white
 - Breakfix: red



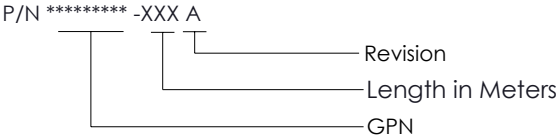
Detail D

		NAME	DATE	TITLE: Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Red Expando), Fanout(AM VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-1, xxxm		PROD. REF.	TEST REF.
DRAWN		J. Lozano	09/13/2021				B-00-HS-0100
SIZE	B	2024-02-01 14:20:03		DWG. #	FAMILY PART #	AFL HYPERSCALE. 8039 S 192nd St., Suite 100 Kent, WA 98032	
				HS-B-2301-0503-11	D8062-1-17ZZDR9PCC-0459-MXXX		
SCALE	1:3	APPROVED AFL HYPERSCALE EC COMMITTEE		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%L [+2%]	
						SHEET 2 OF 4	
						REV 11	

D

D

P/N Barcode Label

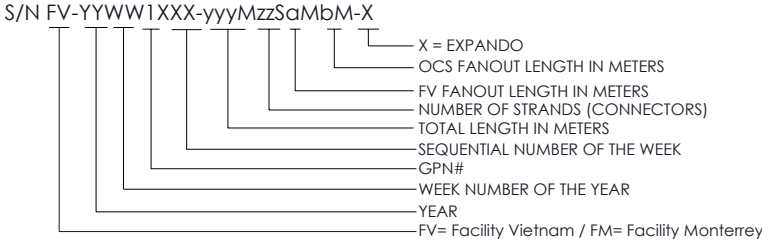


NOTES:

- 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

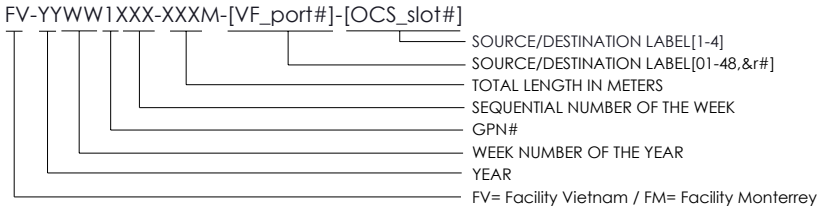
- Wrap-around label, 2 copies if the size allows
- Length ≤ 35mm, font Arial ≥ 7pt
- The text "P/N" or revision "A" only in human readable text, not included in the barcode. The barcode contents only "*****-XXX".

S/N Barcode Label



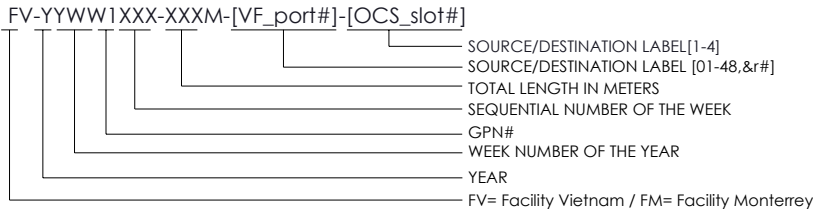
- * wrap around cable
- Label material: polyester w/ adhesive back, rohs and agency (e.g. ul) compliance.
- Barcode: code 128, height ≥ 4mm, readable text centered below
- Double sided for a flag label; 2 copies for wrap-around label if the size allows
- Fiber length: in meters, round to 1-decimal for 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#]

B

A

		NAME	DATE	TITLE: Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Red Expando), Fanout(Am VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-1, xxxm	PROD. REF.	TEST REF. B-00-HS-0100
DRAWN		J. Lozano	09/13/2021	DWG. # HS-B-2301-0503-11	AFL HYPERSCALE. 8039 S 192nd St., Suite 100 Kent, WA 98032	
SIZE	B	2024-02-01 14:20:03		FAMILY PART # D8062-1-T7ZZDR9PCC-0459-MXXX		
SCALE	1:3	APPROVED AFL HYPERSCALE EC COMMITTEE		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% [+2%]	
				SHEET 3 OF 4		REV 11

8

7

6

5

4

3

2

1

D

C

B

A

D

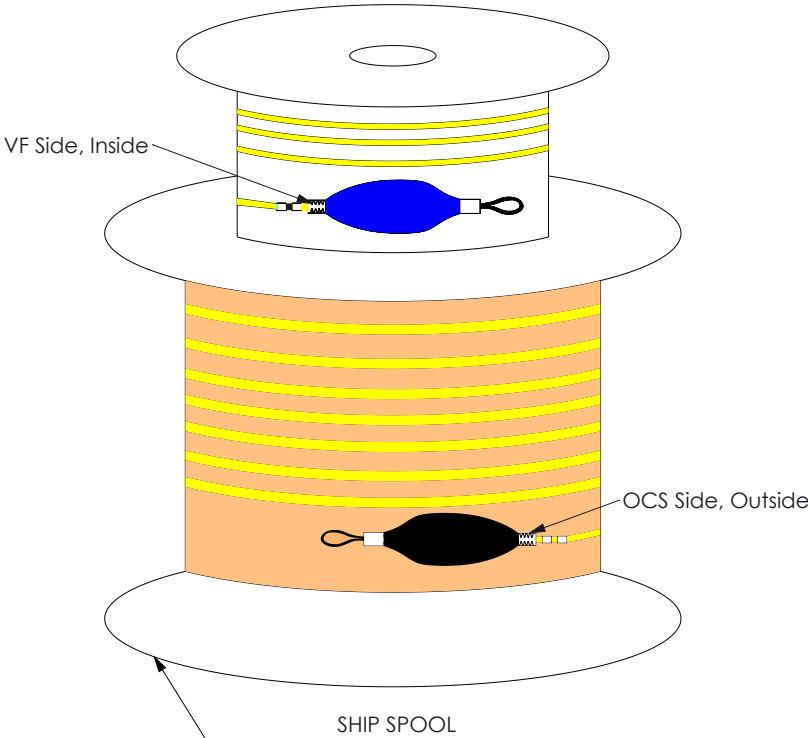
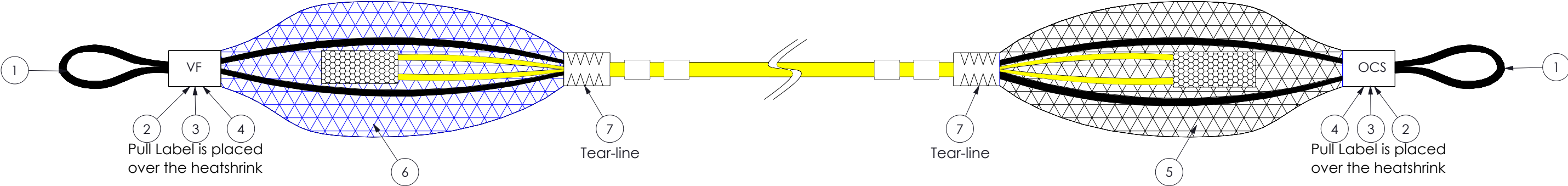
C

B

A

VF SIDE

OCS SIDE



Note: Use Font Arial, biggest size possible

NOTES:
11 Use three-flange spool for all lengths.

- 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	
TITLE		Cables, Fiber, 18F, SMF Ultra, 9xLC/DX-9xLC/DX, APC, Trunk(4.5mm Red Expando), Fanout(Am VF, Var. Lengths 4x Zipcord pairs, 1xSpare OCS), Yellow OFNR, D8062-1, xxxm	
DWG. #		HS-B-2301-0503-11	
FAMILY PART #		D8062-1-TZZZDR9PCC-0459-MXXX	
UNLESS OTHERWISE SPECIFIED DIMENSIONS: mm [in]		OVERALL LENGTH ≤ 5m [16.40 ft]: -0/+100 [1.97] > 5m [16.40 ft]: -0/+2%[+2%]	
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SHEET 4 OF 4		REV 11	