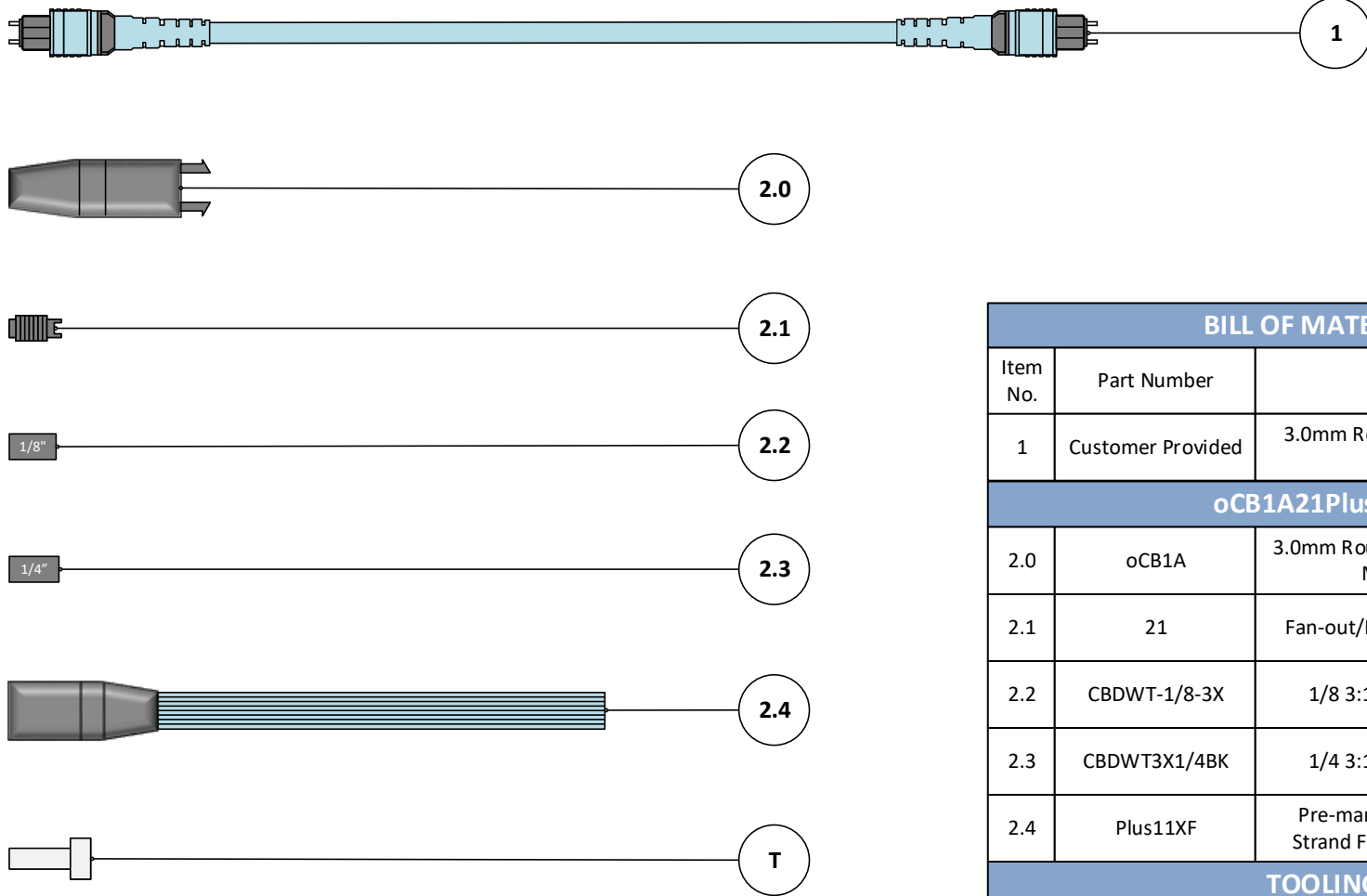


PROPRIETARY AND CONFIDENTIAL

Revision History				
Date:	Rev:	Created By:	Approved By:	Description
4/9/17	A	NB	NB	Initial Release

ITEM IDENTIFICATION



BILL OF MATERIALS			
Item No.	Part Number	Description	Qty
1	Customer Provided	3.0mm Round MTP-MTP Trunk Cable	.50
oCB1A21Plus11xF			
2.0	oCB1A	3.0mm Round Fan-out/Break-out Male Housing	1
2.1	21	Fan-out/Break-out Male Insert	1
2.2	CBDWT-1/8-3X	1/8 3:1 ADHS Heat Shrink	1
2.3	CBDWT3X1/4BK	1/4 3:1 ADHS Heat Shrink	1
2.4	Plus11XF	Pre-manufactured 2.0mm 8 Strand Fan-out/Break-out Kit	1
TOOLING			
T	oCT-1	oC2Plus Fan-out/Break-out Kit Tooling	1

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MFG. DWG. NO. oCB1A21Plus11HxF

REV A

HYDRA CABLE ASSEMBLY INSTRUCTIONS USING oC2Plus FAN-OUT/BREAK-OUT KIT

- Cut MTP cable as required.
- Pre-load male housing as depicted and 1/4" 0.50" heat shrink (in that order). **⚠️**Note: It is imperative that adhesive heat shrink is used per B.O.M. No substitutions. Using any other type of heat shrink will void warranty.
- Strip the jacket of the MTP cable as required from end of initial cut exposing the fiber strands and aramid yarn. **⚠️**Note: See table for required lengths.

TABLE OF LENGTHS	
Ordered Length	Cut Length
12"	17.50"
24"	29.50"
36"	41.50"
48"	53.50"
Custom	Add 5.50" to overall length
- Cut the aramid yarn of the MTP cable at .90" from end of initial cut exposing the fiber strands. Remove 4 fibers per application requirements flush with PVC jacket.
- Fold aramid yard back over MTP cable evenly and slide 1/8" heat shrink over fiber strands and aramid yarn flush with the end of the MTP cable. Heat shrink as depicted. **⚠️**Note: It is imperative that adhesive heat shrink is used per B.O.M. No substitutions. Using any other type of heat shrink will void warranty.
- Fold aramid yarn over existing heat shrink (Item No. 2.2) as depicted.
- Slide 1/4" .50" (Item No. 2.3) heat shrink over aramid yarn and heat shrink over (Item No. 2.2) as depicted.
- Slide male housing towards the end of the cable.
- With male housing slid forward to a stopping position, load insert and tooling as depicted. **⚠️**Note: Tooling is not included in fan-out kit and must be purchased separately.
- Slide insert and tooling into the male housing cavity and tighten the insert clockwise until snug. **⚠️**Note: Do NOT overtighten. Warranty will be void if overtightened.
- Once insert is in place and is snugly tightened remove the tool.
- Load required 2.0mm connector boots and crimp tubes onto Plus11XF Fan-out Kit (ITEM-6) as depicted.
- Strip furcation tube ends to connector manufacturer's strip length requirements.
- Pull back aramid yarn and cut the inner tube of the furcation tube flush with the jacket. Note: Do NOT cut the aramid yarn.
- Insert fibers (x8) into the furcation tubes as depicted. The fibers should protrude through the end of the furcation tube.
- Snap the male and female housings together. Ensure that the fibers in between are not kinked, twisted, and have been pushed through the furcation tubes at the same time the housings are being snapped together. Verify that the male and female housings are securely snapped by gently pulling them apart.
- Cut each fiber strand to the length as required by connector manufacturer.
- Terminate the corresponding connectors as required by connector manufacturer. **⚠️**Note: Do NOT unsnap/detach housings at this point. Unsnapping the housing will void warranty.

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Contact UconX with any questions at: 720-285-7045



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REV A