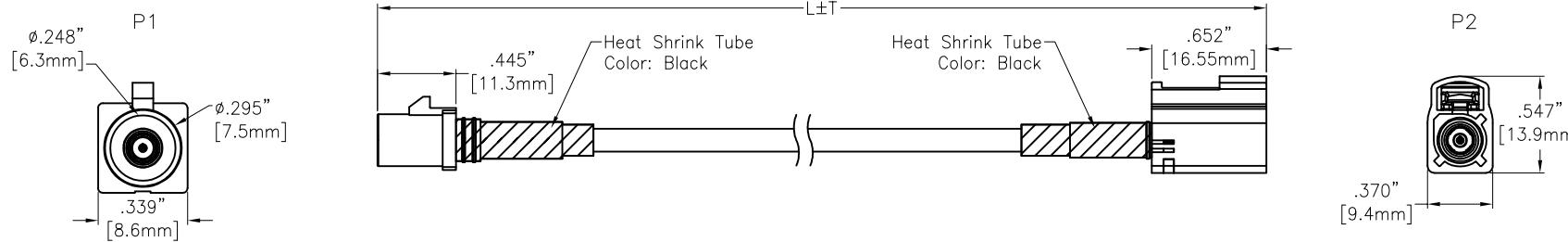


APPROVED: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	9/16/25	

DATE: _____ TITLE: _____

CUSTOM PRODUCT ARE NON-CANCELABLE / NON-RETURNABLE



SPECIFICATIONS:

Connector:

P1= Waterproof FAKRA Code: See Page 2, Plug, Straight, 30u" Gold Plated Thermoplastic, rated UL 94-V0

P2= Waterproof FAKRA Code: See Page 3, Jack, Straight, 30u" Gold Plated Thermoplastic, rated UL 94-V0

Cable:

RTK-031: 22AWG Coaxial+AL+Mylar+Braid, OD: .126" [3.2mm]

Jacket Color: Black PVC

Electrical:

Impedance: 50Ω

Frequency: DC to 4GHz

VSWR: 1.50Max @ 0~3GHz

1.80Max @ 3~4GHz

Insulation resistance: 100 Mohms min

Mechanical:

Connector Insertion Force: 25N Max

Disengagement Force: 2N Min

Mating Cycles: 25 Cycles Min

Retention Force Latch: 110N Min

Mismating Orientation Effectiveness: 40N Min

Environmental:

Thermal Shock: SAE/USCAR-2,5.4.1/5.6.1

Humidity: SAE/USCAR-2,5.4.1/5.6.2

Vibration& Mechanical Shock: SAE/USCAR-2,5.4.1/5.4.6

Electrical Test:

All Assemblies must be 100% Tested for Shorts, Open, Continuity, and Physical Appearance.

Temperature Rating:

Operating temperature: -40°C to +150°C

Environmental:

Waterproof: IP69K

Lead free, RoHS compliant 

ADAM P/N	L±T
CA-FMFJ-XX0011WPA	39.370"±1.181" [1000±30mm]

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED		
INCHES	XX \pm .10 .020 .015	ØXX \pm .10 ØXX \pm .015 ØXXX \pm .010
DRAWN	LW1	9/16/25
CHECKED	RC	9/16/25
APPROVED		
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TITLE	CUSTOM CABLE ASSEMBLY, FAKRA PLUG STRAIGHT TO FAKRA JACK STRAIGHT , RTK031, 22AWG, IP69K	
SIZE	PART NO.	REV.
X	CA-FMFJ-XX001XWPA	-
REF:	S00013T	SCALE: NTS
		SHEET 1 OF 3

APPROVED: _____

DATE: _____ TITLE: _____

SEE SHT 1 OF 3 FOR REVISION

CA-FMFJ-XX001XWPA

P1 CODE

Coding	A	B	C	D	E	F	G
Plug							
Color	JET BLACK	CREAM WHITE	SIGNAL BLUE	CLARET VIOLET	LEAF GREEN	NUT BROWN	BLUE GRAY
Coding	H	J	K	L	M	N	Z
Plug							
Color	HEATHER VIOLET	BEIGE	CURRY	CARMINE RED	PASTEL ORANGE	PASTEL GREEN	WATER BLUE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES $\frac{X}{XX} \pm .10$ $\frac{\emptyset X}{\emptyset XX} \pm .10$
 $\frac{.020}{.015}$ HOLES $\frac{\emptyset XX}{\emptyset XXX} \pm .015$
 $\frac{.015}{.010}$

DRAWN LW1 9/16/25

CHECKED RC 9/16/25

APPROVED

ADAM
TECH

909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
adam-tech.com

TITLE
**CUSTOM CABLE ASSEMBLY, FAKRA PLUG STRAIGHT
TO FAKRA JACK STRAIGHT , RTK031, 22AWG, IP69K**

SIZE PART NO. REV.

X CA-FMFJ-XX001XWPA -

REF: S00013T SCALE: NTS SHEET 2 OF 3

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APPROVED: _____

DATE: _____ TITLE: _____

CA-FMFJ-XX001XWPA

P2 CODE

Coding	A	B	C	D	E	F	G
Jack							
Color	JET BLACK	CREAM WHITE	SIGNAL BLUE	CLARET VIOLET	LEAF GREEN	NUT BROWN	BLUE GRAY
Coding	H	J	K	L	M	N	Z
Jack							
Color	HEATHER VIOLET	BEIGE	CURRY	CARMINE RED	PASTEL ORANGE	PASTEL GREEN	WATER BLUE

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

INCHES	$\frac{X}{.XX}$	$\pm .10$	$\frac{ØX}{ØXX}$	$\pm .10$
	$\pm .020$		$\pm .015$	
	$.XXX$	$\pm .015$	$ØXXX$	$\pm .010$

DRAWN LW1 9/16/25CHECKED RC 9/16/25APPROVED
**ADAM
TECH**

 909 Rahway Avenue,
 Union, NJ 07083
 Phone: 908-687-5000
 adam-tech.com

 TITLE: CUSTOM CABLE ASSEMBLY, FAKRA PLUG STRAIGHT
 TO FAKRA JACK STRAIGHT, RTK031, 22AWG, IP69K

 SIZE X PART NO. CA-FMFJ-XX001XWPA REV. -

 REF: S00013T SCALE: NTS SHEET 3 OF 3

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