

ANNEX ENGINEERING – K3 Carabiner Harness



Prepare Wire

A-End

B-End

Not To Scale

Molex Microfit (Female)
Crimp: 430300001

Molex Microfit (Female)
Crimp: 430300001

Color	Length (mm)	Gauge (AWG)	Quantity
Black	600	26	10
Brown	600	22	1
Green	600	20	3
Red	620	26	1
Yellow	620	26	1

Twist Wires Together – Impedance = 90-100 Ohms

A-End

B-End

Yellow Wire

Red Wire

Issue: 2
Date: September 21st 2022
Author: BMW

Notes

Prepare Wires

- Wire, must be to IGUS CF5 standards or equivalent.
- Prepare 16 wires, as specified in Table
- Cut wire to length, as specified in Table
- Fit Molex Microfit crimp 430300001 to each end
- Crimp all pins per official Molex specifications
- **No substitutes unless approved by ANNEX Engineering**

Twist Wires

- Twist the Yellow and Red pair of wires together such that the impedance is equal to 90-100 ohms.
- Post Twist Length should equal 600mm +/- 2mm

History

- First Revision
- Second Revision: Add Note about color of sleeving and heatshrink

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Final Assembly



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Notes

Final Assembly

- Pass All cables through black braided, fire retardant sleeving, while placing a piece of black adhesive filled heatshrink on each end
- Fit each end in Molex Microfit Housing PN: 430251600 as labelled
- Pins must be installed per molex specifications into the housing
- **No substitutes unless approved by ANNEX Engineering**

