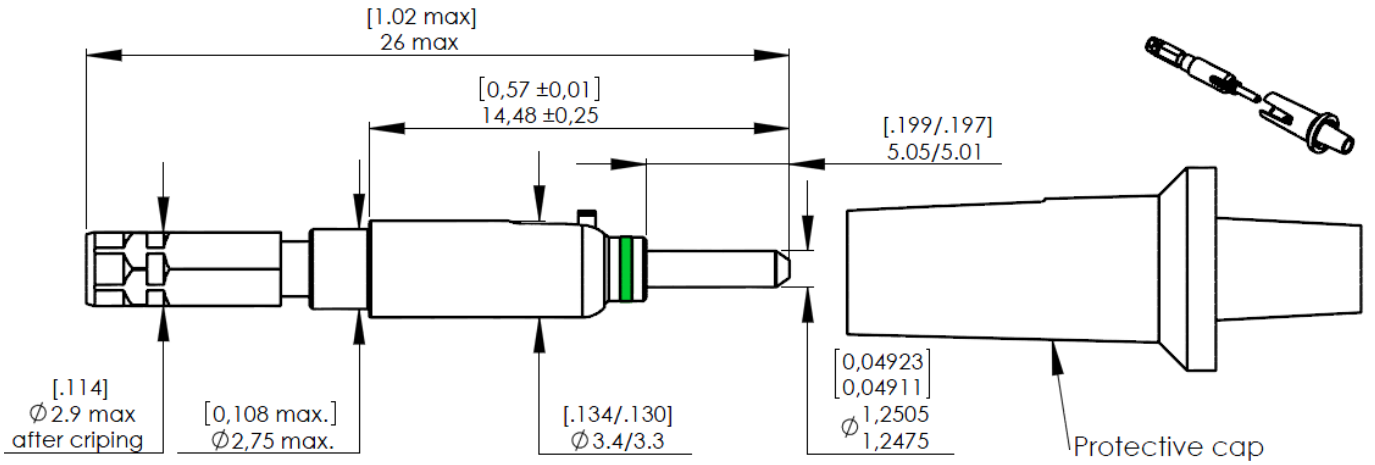
Technical Data Sheet

LuxCis® ARINC801 MT contact for SM APC fiber C1.8mm

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Dimensions: mm [inches]

GENERAL

Type: LuxCis® MT ARINC801 fiber optic contact
MT: Monokey contact for Tight structure cable
APC Single Mode Zirconia ferrule Ø1.25mm
Compatible with EPX®-EN4644, NSX-ARINC 600, MIL-DTL-38999, LxC-R® and other connectors.

Ferrule inner diameter: Ø125.3µm

Fiber size: 9.3/125µm Single Mode

Buffer size: Ø900µm Max.

Cable size & type: Ø1.8mm simplex tight

Insertion/extraction: Use the tool 282 515 Standard M81969/14-03
Refer to 503 08 595 Insertion & extraction procedure.

Termination: 503 08 770 Termination & polishing procedure.

CHARACTERISTICS (Dependent on cable or fiber construction)

Optical:
Insertion loss (IEC 61300-3-4 method B) : 0.20 dB mean, 0.12 dB Stand.dev
Return loss (IEC 61300-3-6) : >60 dB APC

Mechanical:
Endurance : Up to 500 matings depending on connector
Cable retention : 68 N

Environmental:
Functional temperature range : -55°C / +125°C

Part	Material	Finish
Body	Copper alloy per SAE-C38500	Electroless nickel per SAE-AMS-QQN 290 - Class 2 - 40 to 120 µin
Ferrule	Zirconia (ZrO2)	N/A
Ferrule holder	Copper alloy per SAE-C38500	Electroless nickel per SAE-AMS-QQN 290 - Class 2 - 40 to 120 µin
Spring	Stainless steel per SAE-AMS5688	N/A
Crimping sleeve	Copper alloy per SAE-C36000	Electroless nickel per SAE-AMS-QQN 290 - Class 2 - 40 to 120 µin
Protective cap	High density polyethylene	N/A

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