



Relative Cost Analysis

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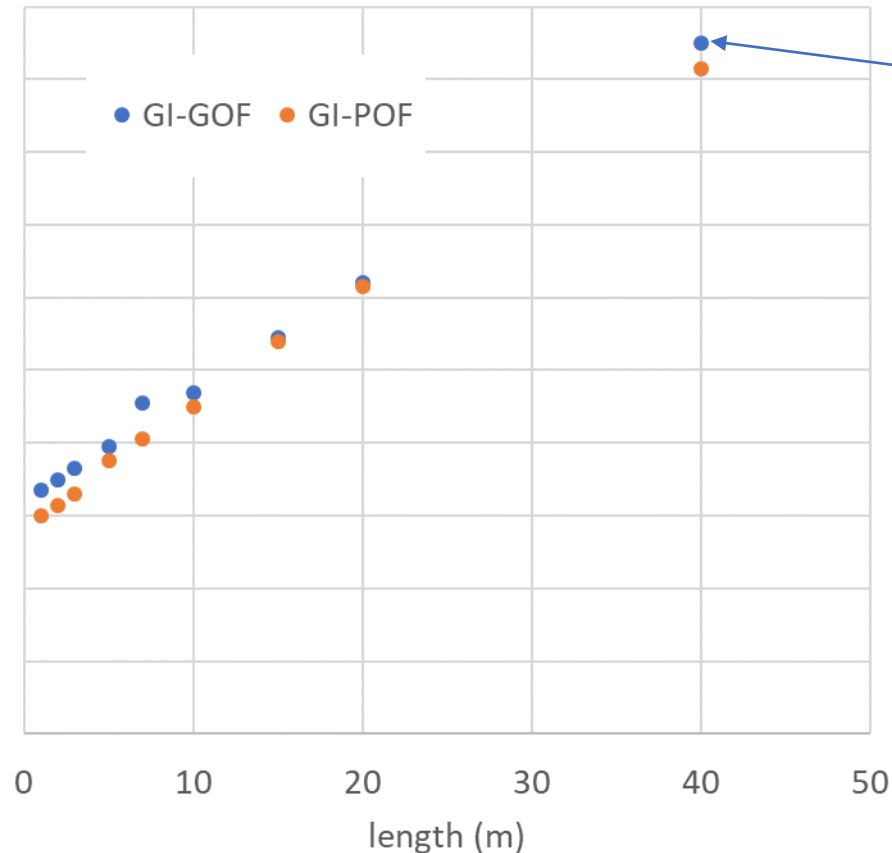
June 15th, 2021

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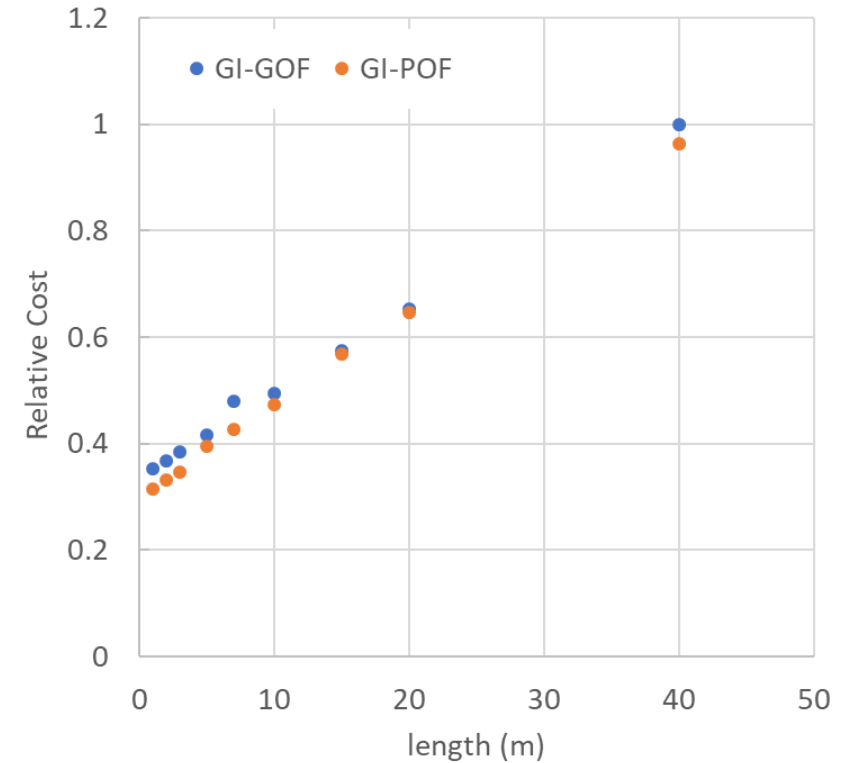
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Investigation and Relative Cost Calculation & Comparison

Patch cord relative cost data were collected from the web.

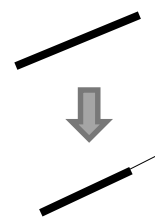
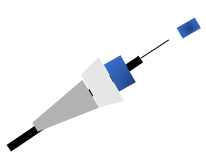

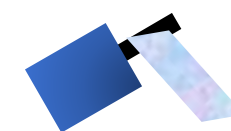
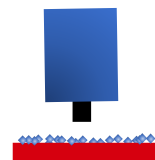

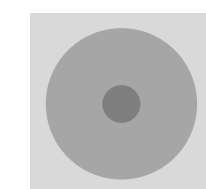


All numbers were divided by this.



Connector is the dominant factor for both cords.
Below 40m, relative cost of plastic fiber is lower.

Fiber Termination Process Time Consideration

Process	Jacket Removal	Parts assembly	Fix (epoxy resin)	Cut/Cleave	Polish	Connector assembly	Inspection
							
Glass Optical Fiber	Remove jacket, aramid fiber and coating	Parts assembly (boots, ferrule, etc.)	Cure (thermal / UV)	Cut/cleave by designated tool	Polish by designated tool	Connector assembly	Inspection
Plastic Optical Fiber	Remove jacket, aramid fiber Only (No Coating)	Parts assembly (boots, ferrule, etc.)	Cure (thermal / UV)	Prepared by designated cutting tool		Connector assembly	Inspection

In the case of optical harness is prepared by Tier1 or Tier2, GI-POF's shorter process time has advantages in terms of fiber termination process.

- Connector is the dominant factor for both cords. Below 40m, relative cost of plastic fiber is lower.
- In the case of optical harness is prepared by Tier1 or Tier2, GI-POF's shorter process time may have advantages in terms of fiber termination process.

As a result, expected relative cost of GI-POF is reasonably low.

This is only for reference information because connectors and jacket/buffer for automotive application will be different from the patch cord used for this comparison.

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