Derek Mason

Fiber Splicer

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SUMMARY

Fiber splicer with 4 years of fusion splicing on long-haul, FTTH and data center fiber across North Texas. Handles single-fiber and ribbon splicing up to 864 counts, shoots OTDR and power meter tests to prove every splice, and works independently from splice trailers and bucket trucks.

EXPERIENCE

Fiber Splicer

05/2024 - Present

Lone Prairie Fiber Contractors — Dallas, TX

Lead splicer on a 9-person fiber construction crew.

- Perform fusion splicing on **1,500+** fibers a week in aerial and underground closures, averaging 0.02 dB per splice.
- Run ribbon splicing on 864-count cables for 2 data center campus routes with zero rework.
- Test every span with OTDR and power meter readings and upload trace files for 100% of closures.
- Diagnose high-loss events and fiber cuts with OTDR traces, repairing 25 emergency breaks within 6 hours each.

Splicing Technician

06/2022 - 04/2024

Metroplex Broadband Builders — Fort Worth, TX

Splicing technician on FTTH build crews.

- Spliced FTTH drops, terminals and 288-count feeder cables for **12,000** home passings.
- Prepared closures, buffer tubes and splice trays to splice sheets, keeping fiber counts error-free on 40 builds.
- Recorded splice loss and OTDR results in Excel for weekly closeout packages.
- Cleaned and calibrated fusion splicing equipment daily, extending electrode life by 30%.

SKILLS

Fusion Splicing

Ribbon Splicing

Fiber Optic Splicing • OTDR

Power Meter • FTTH

Fusion Splicing Equipment

Excel • Work Independently

Attention to Detail

EDUCATION

High School Diploma

05/2022

Duncanville High School

Duncanville, TX

CERTIFICATES

Certified Fiber Optic Technician (CFOT)

The Fiber Optic Association

09/2022

Certified Fiber Optic Specialist in Splicing (CFOS/S)

The Fiber Optic Association

11/2023

OSHA 10-Hour Construction Safety

OSHA Training Institute

06/2022