

OUTSIDE PLANT & CIVIL WORKS COURSE

Dates:	20-23 August 2019
Cost:	R 8 250 per delegate
Duration:	3 ½ days
Time:	Tuesday to Thursday 08:30 to 16:00 Friday examination 08:30 to 11:00
Registration:	Please complete and email page-4 to: registrations@thefibrelab.com or register online at http://thefibrelab.com/registration/
Venue:	Dartcom Telecommunications Learning Centre, Corner of 32nd Street and Sterkfontein Avenue, Irene, Pretoria, South Africa GPS -25.904031 & 28.257519

ABOUT THE COURSE

The primary focus of this course is to provide a comprehensive coverage of the best practices for the deployment of optical communication networks. Trenching, duct installation, air-assisted installation practices, hauling, aerial work practices, and much more is taught with lots of hands-on practice.

Comprehensive hands-on activities and the underlying theory are combined to provide a firm understanding of the concepts underpinning the deployment of optical communication networks. Also provided is coverage on wayleave applications, health and safety guidelines and environmental management.

Please refer to page 2 of this brochure for a detailed list of what the training entails.

WHO SHOULD ATTEND?

No previous experience is necessary. This training program is not limited to contractors, installers or technicians - it is an excellent credential for sales and marketing personnel, indicating their comprehensive knowledge of the industry and building confidence in their assistance to their customers.

THE INSTRUCTOR

Teaching is provided through a mixture of lectures, demonstrations and practical sessions. Each of the instructors involved with this course have nearly three decades of optical fibre experience and we welcome the opportunity to share our knowledge, insight and experience with you.

GENERAL INFORMATION

Payment in full is due prior to course commencement. Registrations are only confirmed upon receipt of payment. Fee includes refreshments, lunch and training manual. Fee does not include travel and accommodation.

QUERIES

Should you have any questions, please feel free to contact:

COURSE CONTENT

Joe Botha
Mobile: +27 (0) 82 464 0386
Email: joebotha@telkomsa.net

REGISTRATION QUERIES

Lauren Krüger
Mobile: +27 (0)82 303 3377
Email: registrations@thefibrelab.com

COURSE CONTENT

- Theory and Demonstrations
- DIT
- Introduction to Optical Fibre
- Micro Duct Fill Ratio
- Fibre Geometric Parameters
- Cable Blowing Lubricants
- Core, Cladding and Buffer coating
- Cable Bend Radius
- Cable Jackets
- Figure-eighting
- Strength members
- Micro Duct Tools and Accessories
- Moisture / Water-blocking
- Aerial Works
- Micro Technology
- Pole Handling PPE
- Micro ducts
- Transportation of Poles
- Micro cables
- Pole Off-Loading Procedure
- Colour Coding
- Pole handling ratios
- Environmental
- Ladders
- EMP and ECO
- Survey Equipment and Tools
- Responsibilities
- Survey - Gather Route Information
- Water, dust, air, noise, trees, archaeology, etc.
- Checks to be undertaken
- Health and Safety
- Wooden Pole Inspection
- Responsibilities
- Hole-digging Tools
- Site File Contents
- Pole Holes
- Wayleave's
- Poles set in Concrete
- Quality
- Pole Spacing
- Pre-build Procedures
- Suggested Aerial Work Practices
- Camp Establishment / Holding Area
- Selection of Pole and Stay Positions
- Trenching
- Types of Stays
- Sludge Test
- Stay Guards
- Trench Width
- Struts
- Pilot Holes
- Stay Holes
- Location of Services
- Stay Spread/Height Ratio
- Trench Shoring
- Termination of Stay Wire
- Notifications
- ADSS Installation
- Private Property
- Power Crossings
- Suggested Trenching Practices
- Cable Clearance
- Barricading
- ADSS Installation Conventional Method
- Trenching near Paving, Guttering, etc.
- ADSS Installation Figure 8 method
- Crossings, River, Bridge and Road
- Dead-End Sizes
- Duct Deviation
- ADSS Terminations and Support Types
- Trenching near Power Cables
- Securing of Cable to Poles
- Steep Gradient Trenching
- Dynamometer
- Tree Roots
- ADSS Sagging
- Surface material
- Cable Slack
- Duct Un-Coiling Installation Process
- Damage by veld fire to aerial-cables
- Moving Trailer Method
- Cable Hauling
- Mechanical Machine Pulling Method
- Pre- Installation Checks
- Bedding and Padding
- Duct Rodding
- Backfill
- Duct Testing and Cleaning
- Trench Compacting
- Centre-Pulls and Back-feeding
- DCP Test
- Pulling Tension
- Direct-Buried Installations
- Pulling Grips
- Earthing and Bonding
- Hauling Rope
- Markers
- Duct Fill Ratios
- Manholes and Handholes
- Access Build
- HH / MH Inspection
- Dolomite (hard rock)
- Safe HH / MH Working Procedures
- Hand-on Activities
- Directional Drilling and Hammerhead Mole
- Cable Hauling
- Reinstatements
- ADSS Erecting
- Pre-installation Cable Testing and Inspections
- DIT
- Cable play-off
- DCP Test
- Air-Assisted Installation Practices
- Figure-eighting
- Jetting and blowing
- Jetting and blowing cables
- Air-Assisted Practices



REGISTRATION

Please complete the Registration Form below and submit for invoicing to:

registrations@thefibrelab.com

DELEGATE @ R8 250 ALL INCLUSIVE

NB: Please attach a copy of the delegate ID in order for us to register their details with SETA for accreditation.

Name:	Name:
Surname:	Surname:
Designation:	Designation:
Telephone:	Telephone:
Mobile:	Mobile:
Email:	Email:
Dietary Req:	Dietary Req:
Company Name:	
VAT Registration #:	
Postal Address:	
Contact Person:	Telephone:
Email:	
Authorised Signatory:	
I hereby acknowledge the terms and conditions of this training course and confirm acceptance of the cancellation policy.	
_____ DATE: _____	