



MOBILE NETWORKS
Solutions

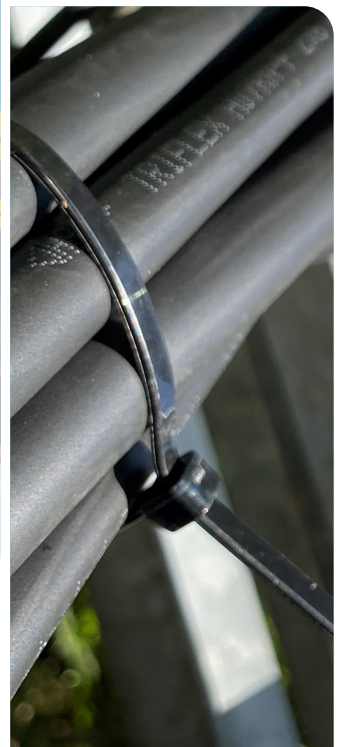
TOOLING & TESTING

Developing tomorrow's networks, today

DISCOVER YOUR TOOLING & TESTING CATALOGUE FOR MOBILE NETWORKS

The Tooling & Testing offering for Mobile Networks from Telenco is comprised of various product categories:

- Engineer Equipment
- Measurement Tools
- Labeling and Signage
- Consumables



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Equipment Dedicated to Field Engineers



In mobile network operations, engineers' safety is an absolute priority.

Often working at heights and exposed to multiple risks, professionals in this field must be equipped with the best tools and personal protective equipment (PPE) to ensure their safety while optimising efficiency. That's why we have gathered in this section a comprehensive range of solutions dedicated to mobile network engineers.

Our selection includes a complete array of protective equipment (**safety harnesses, lanyards, and fall arresters**) designed for working at height on towers and rooftops. These products, built to withstand extreme conditions, combine comfort with maximum protection.

Because your safety is priceless.

We also offer personal protective equipment, from helmets to gloves, carefully chosen for their durability, ergonomic design, and ability to protect against common hazards: falls, impacts, or electrocution.

Finally, explore our extensive range of professional tools, essential for the deployment and maintenance of mobile sites. Our selection supports all types of operations, including:

- Handling antennas (for swaps)
- Preparing fibre optic, coaxial, and energy cables
- Torque adjustment of structural elements on towers and energy or coaxial connectors
- Site preparation essentials

Every piece of equipment has been selected for its robustness, ergonomic design, and contribution to safe and efficient use in the field. This complete range ensures engineers can work safely with equipment tailored to the demanding requirements of the toughest environments.





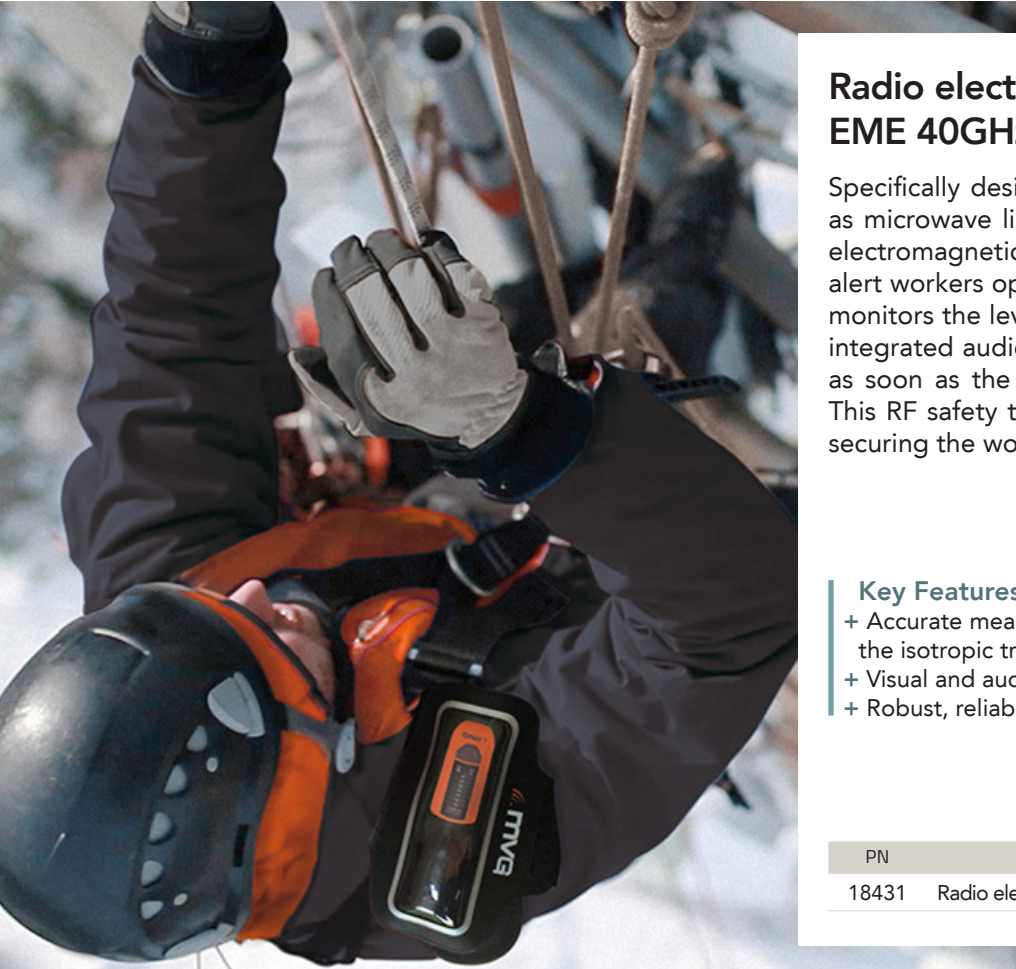
Field engineer equipment

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FIELD ENGINEER SAFETY

RF Detector



Radio electromagnetic field detector EME 40GHz

Specifically designed to cover new 5G bands as well as microwave links, the EME Guard XS 40 GHz is an electromagnetic field measurement device intended to alert workers operating near antennas. It continuously monitors the level of radiations exposure and, with its integrated audio and visual alarm system, alerts users as soon as the regulatory exposure limit is reached. This RF safety tool is user-friendly and contributes to securing the work environment.

Key Features:

- + Accurate measurements thanks to the isotropic tri-axis sensor
- + Visual and audio alarms
- + Robust, reliable, and easy to use



PN	Description
18431	Radio electromagnetic field detector EME 40GHz

DETECTOR

Electromagnetic field

Every two years, it is essential to check the proper functioning and calibration of your field detectors.

To simplify the maintenance process for your devices, we provide a calibration service (PN. 18431000: Calibration for Radio Electromagnetic Field Detector EME Guard XS 40 GHz).

For more information, contact your sales representative or email us at sales@telenco.com

Harness

PETZL AVAO BOD FAST harness with thigh straps equipped with automatic buckles

Key Features:

- + The most comprehensive fall arrest harness, providing optimal security thanks to the dorsal, sternum, and lateral attachments.
- + Suitable for all possible working configurations, whether for work positioning or prolonged suspensions.
- + The harness best adapted for mobile network infrastructure deployment, whether on towers, rooftops, or sloped roofs.
- + Equipped with automatic buckles for quick and secure donning.



PN	Description
13155	PETZL Harness AVAO BOD FAST - Size 0
13615	PETZL Harness AVAO BOD FAST - Size 1
14466	PETZL Harness AVAO BOD FAST - Size 2

Kits

Tower Engineer Kit

PETZL mobile network fall arrest harness kit for tower engineers



Key Features:

- + Ensures the safety of engineer working at height
- + Easy to wear and comfortable harness
- + PETZL quality product pack

Pack Contents:

- + AVAO harness + auto-locking D-shaped karabiner (PN. 4377)
- + ABSORBICA-Y MGO lanyard (PN. 18234)
- + Adjustable work positioning lanyard + PETZL GRILLON HOOK tensioner (PN. 13614)

PN	Description
19375	Kit Size 1
19376	Kit Size 2

Rescue Kit

PETZL JAG RESCUE KIT - 60m Length, reversible emergency rescue kit



Key Features:

- + Ready-to-use kit
- + Designed for victim retrieval and downward evacuation

PN	Description
18856	PETZL JAG RESCUE KIT - 60m Length, reversible emergency rescue kit



Consider using storage bags for PPE to protect your equipment from damage during transportation to job sites. They protect PPE from dust and dirt, extending their lifespan



see page 11



Safety Lanyards

PETZL ABSORBICA-Y MGO lanyard with integrated energy absorber, 80cm length



Key Features:

- + Designed for progression on a vertical structure or along a horizontal lifeline, with the ability to pass intermediate anchors.

PN	Description	Size
1002417	PETZL ABSORBICA-Y MGO lanyard with integrated energy absorber, 80cm length	80cm



MGO stands for *Mousqueton Grande Ouverture* (Large Opening karabiner). They are very useful for adapting to all available anchor points on FFTA towers or other intervention sites.

PETZL adjustable work positioning lanyard + GRILLON HOOK tensioner



Don't forget to order your connector!

see page 10



Key Features:

- + Progressive adjustment system allowing precise length adjustment for comfortable positioning at the worksite.

PN	Description	Length
7410		2m
13614	PETZL adjustable work positioning lanyard + GRILLON HOOK tensioner	3m
17876		4m

Travelers

The choice of travelers depends on the vertical lifeline system installed in the infrastructure. Be sure to check the compatibility of the travelers!

3M Protecta cabloc traveler with zinc-plated karabiner



PN	Description
1004462	3M Protecta cabloc traveler with zinc-plated karabiner

SÖLL® VR500 fall arrest traveler for mobile networks



PN	Description
19047	SÖLL® VR500 fall arrest traveler for mobile networks

SÖLL® fall arrest traveler for mobile network rail - BODYCONTROL



PN	Description
14014	SÖLL® fall arrest traveler for mobile network rail - BODYCONTROL



Compatible with 3M™ Protecta® Vertical Lifeline Systems



Compatible with original Söll fall arrest systems that have the Söll GlideLoc EU type examination certificate

Temporary Lifeline

When collective protective equipment is not available or cannot be installed, it is necessary to consider alternatives to ensure the safety of workers. Setting up a temporary lifeline becomes an effective solution, providing protection for workers on sloped or flat rooftops. It allows individuals equipped with fall protection PPE (harness, lanyard, energy absorber, helmet, MGO, etc.) to move safely over a defined distance.

Ropes

PETZL Rope Ø10.5mm



PN	Description	Color	Length
13641			10m
13370	PETZL Rope low stretch kernmantel	White	20m
13158			50m
14922	PARALLEL Ø10.5mm		100m

PETZL Rope Ø11mm



The ropes have a sewn-on end.

PN	Description	Color	Length
13796	PETZL Rope low stretch kernmantel AXIS Ø11mm	White	20m
13655		Yellow /Black	30m

Self-supporting bag for rope transport



PN	Description	Capacity
19948	Self-supporting bag for rope transport	30L



The use of self-supporting bags makes it easier to store ropes between interventions. Since the lifeline is a safety equipment, it is important to keep the ropes intact

Mobile fall arrester

PETZL mobile fall arrester ASAP LOCK with locking function



PN	Description
14624	PETZL mobile fall arrester ASAP LOCK with locking function

ASAP'SORBER AXESS energy absorber for ASAP or ASAP LOCK 40cm



PN	Description
17786	ASAP'SORBER AXESS energy absorber for ASAP or ASAP LOCK 40cm



Anchors & Connectors

Karabiners

PETZL MGO auto-locking aluminium connector with large gate opening



PN	Description
14732	PETZL MGO auto-locking aluminium connector with large gate opening

PETZL Karabiner Am'D aluminium D shape



Manual lock

Automatic lock

PN	Description
14627	PETZL Karabiner Am'D aluminium D shape manual screw locking system
4377	PETZL Karabiner Am'D aluminium D shape automatic locking system

Sewn sling

PETZL Anneau sewn sling polyester blue Length 80cm



PN	Description
7411	PETZL Anneau sewn sling polyester blue Length 80cm

PETZL Anneau sewn sling polyester red Length 150cm



PN	Description
13563	PETZL Anneau sewn sling polyester red Length 150cm

Bags and Storage

For transporting all the essential tools for engineers.

PETZL TOOLBAG Tool pouch



Product Advantages:

- + Connection system allowing easy attachment to the harness
- + Compact design for optimal comfort during movement

PN	Description	Capacity
1000648		1.5L
1000643	PETZL Tool pouch TOOLBAG	3L
1000639		6L

PETZL PERSONNEL Tool backpack 15L



Product Advantages:

- + Ideal for long carries
- + Suitable for challenging conditions thanks to its simple and lightweight construction

PN	Description	Capacity
3724	PETZL Tool backpack PERSONNEL	15L

PETZL Backpack for PPE transport 45L



Backpack perfect for transporting PPE (harnesses, lanyards, Karabiners), with a large capacity.

Product Advantages:

- + The 45L backpack is made of tarpaulin, with the body and bottom fully welded for enhanced durability.

PN	Description	Capacity
1002412	PETZL Backpack for PPE transport	45L

Hand protection

Optima waterproof handling gloves



Product Advantages:
+ Water-resistant (provide maximum protection against moisture and cold)

PN	Size
17517	7
17518	8
17519	9
17520	10

Optima cut-resistant sensitive touch gloves



Product Advantages:
+ Sensitive touch

PN	Size
19539	8
19540	9
19541	10

Optima high dexterity 3-finger free gloves



Product Advantages:
+ Provides greater dexterity by maintaining finger sensitivity while protecting the hand.

PN	Size
18934	7
17312	8
17313	9
17314	10
17315	11

Expert Advice

Understanding the EN 388 Standard

The EN 388 standard consists of 5 to 6 ratings:

- Abrasion resistance: **1 to 4**
- Cut resistance (old rating): **1 to 5**
- Tear resistance: **1 to 4**
- Puncture resistance: **1 to 4**
- Cut resistance (TDM method, new rating): **A to F**
- Impact resistance (optional): **P**



Head protection

PETZL VERTEX Comfortable helmet high-visibility yellow



PN	Description
17421	PETZL VERTEX Comfortable helmet high-visibility yellow

PETZL VERTEX Comfortable helmet high-visibility orange



PN	Description
17422	PETZL VERTEX Comfortable helmet high-visibility orange

PETZL VERTEX Face shield for protection against electric arc hazards VIZEN for helmet



- Product Advantages:**
- + Protects against the risk of electric arc hazards
 - + Equipped with scratch-resistant and anti-fog treatments

PN	Description
17688	PETZL VERTEX Face shield for protection against electric arc hazards VIZEN for helmet

PETZL VERTEX/ALVEO Tinted eye shield VIZIR SHADOW for helmet



- Product Advantages:**
- + Equipped with level 2.5 sun protection filter
 - + Scratch-resistant and anti-fog treated
 - + Essential for eye protection against splash hazards

PN	Description
1001972	PETZL VERTEX/ALVEO Tinted eye shield VIZIR SHADOW for helmet

Headlamps

TED® by SCANGRIP Headlamp 140 lumens



TED®

PN	Description	Lumens
35003	TED® by SCANGRIP Headlamp	140

PETZL PIXA® HEADLAMP



- Product Advantages:**
- + Compatible with PETZL helmet attachments

PN	Description	Lumens
3726	Headlamp PIXA® 1 – proximity lighting	60
10083	Headlamp PIXA® 2 – mixed proximity and movement	80
11591	Headlamp PIXA® 3R – mixed rechargeable	90
10692	Headlamp PIXA® 3 – multi-beam	100
14723	Accessory for mounting a PIXA® headlamp on PETZL helmet	-

LIFTING & PULLING

Lifting



For all situations where it is not possible to use a platform on mobile network sites, the Harken winches with electric assistance provide a relevant and secure solution for moving light loads such as antennas and enclosures.

Available in 2 versions, traction or lifting (CE certified), these particularly lightweight and compact winches allow for work on all types of terrain. Activated with a Milwaukee angle driver that ensures optimal torque for use with the winches, productivity on site is increased while preserving the health of engineers.

Product advantages:



Safety & Ergonomics

- + Secure load
- + Versatility: multiple mounting system
- + Lightweight (6kg): site accessibility
- + Battery-powered or manual operation



Productivity

- + Quick setup
- + Reduced intervention time thanks to electric assistance
- + Effortless operation



Environment

- + No thermal engine: no gas emissions
- + Alternative to crane or aerial platform

Package lifting winch + angle driver



Package with a certified winch for lifting. The load's anti-fall function is integrated into the winch. The power tool package with 2 batteries ensures a full day of work or more.

Package Contents:

- + 1 certified winch for load lifting
- + 1 angle drill-driver
- + 1 pack of 2 Red Lithium 18V 12Ah batteries + fast charger
- + 1 adapter bit for the angle drill-driver
- + 2 triple-action karabiners

Technical Specifications:

- + Lifting Winch: 7kg, this model complies with lifting standards and is subject to periodic general inspection. LH breaking system, provides complete protection against free fall of materials or accidental release.

PN	Description
1003506	Package lifting winch + angle driver

Package load handling winch + angle driver



Package with a traction-type winch. It comes with a fall-arrest device to secure the load during handling. The power tool package with 2 batteries ensures a full day of work or more.

Package Contents:

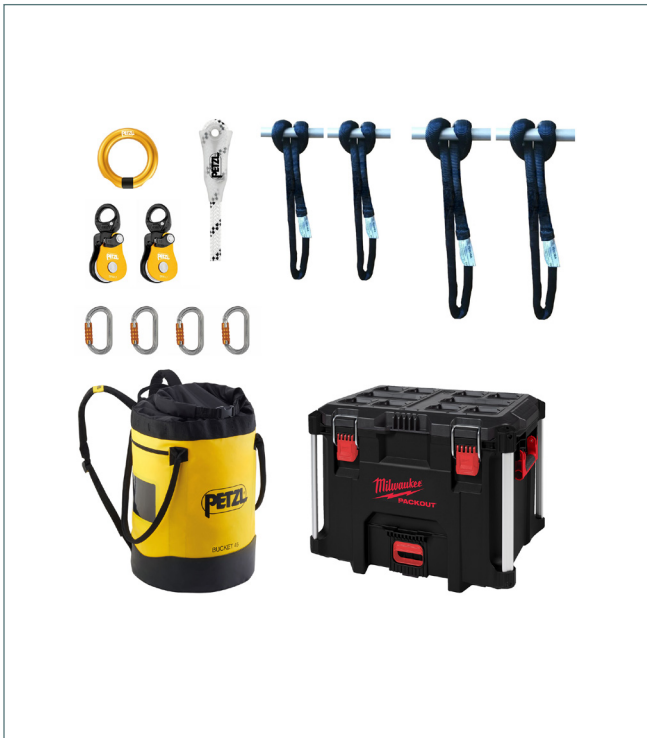
- + 1 traction winch 500kg
- + 1 angle drill-driver
- + 1 pack of 2 Red Lithium 18V 12Ah batteries
- + Fast charger
- + 1 adapter bit for the angle drill-driver
- + 1 fall-arrest descender
- + 1 flat sewn strap
- + 2 triple-action karabiners

Technical Specifications:

- + 500kg Traction Winch: 6kg, this model is suitable for handling and pulling loads. It requires minimal maintenance, such as cleaning and greasing, and is not subject to periodic general inspection.
- + Descender: A unique belay-descender model that serves not only as a traditional descender for load control during descent, but also as a load blocker and fall-arrest device.

PN	Description
1001259	Package load handling winch + angle driver

Load handling kit



Essential for various setups and simplifying the handling of loads such as antennas and enclosures.

Package Contents:

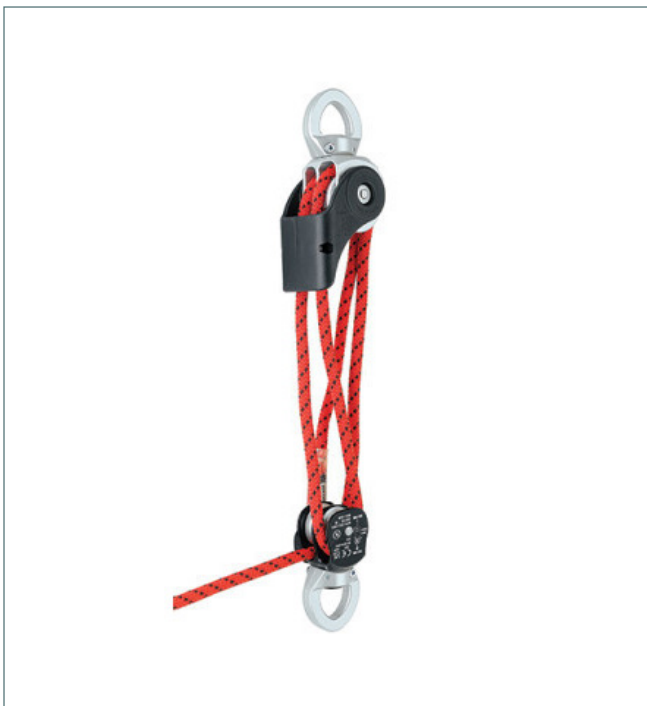
- + 1 x 100m rope with 2 sewn ends
- + 2 x high-efficiency pulleys
- + 4 x oval automatic-locking karabiners
- + 1 x openable ring for nearly permanent karabiner connections. Its circular shape ensures optimal operation in all directions.
- + 2 x 0.5m tie-down straps
- + 2 x 1m tie-down straps
- + 1 x 45L storage bag
- + 1 x extra-large storage box (570 x 430 x 400mm)

Product Advantages:

- + The rope with sewn ends eliminates risks associated with knots, saving time
- + High-efficiency pulleys reduce friction, making it easier to move the load
- + The openable ring allows for the simultaneous attachment of multiple loads

PN	Description
1001255	Load handling kit

WINGMAN Ultra-compact haul kit



Compact haul kit, measuring only 20.5 cm when folded (swivel ring base). Ideal for work at the top of towers, even in limited spaces under anchor points. It combines a ratcheting sheave to stop the rope with a composite handle or wing the operator can open and close under load for a well-modulated 'fine-tuned' release. Under full load even with the sheaves pulled completely together, the system may be released quite easily--with full control using one hand on the wing and the other tending the line. The ball bearings in the sheaves optimize the effort required for lifting and lowering loads.

Technical Specifications:

- + Minimum total length: 20.5cm
- + Working load limit (WLL): 300kg
- + Breaking strength (CmR): 45kN (4500kg)
- + Machined aluminum rotating connection points

Product Advantages:

- + Can be used even when the distance under the anchor is very short
- + Disengages under load with one hand
- + Excellent efficiency and precision
- + Mechanical advantage of 4:1 or 5:1 (depending on system orientation)

PN	Description
1004402	WINGMAN Ultra-compact haul kit

Expert Advice

Training on the use of winch systems on towers

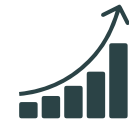
More than just familiarizing yourself with the equipment, the specific training for using telecom kits on towers aims to discuss real-life scenarios regarding best practices, improving safety on the job site, and anticipating challenges.



+ ease
= + productivity



+ understanding
= + safety



+ skills
= + commitment

TAILORED TRAINING:



How to guide the load during the lift?
How to better manage the antenna at the support head and facilitate its installation?
How to overcome obstacles without putting yourself at risk?



These are the questions addressed during the training, with tailored and safe solutions provided.

For your lifting training requests, contact our sales team. Our training sessions are customizable and conducted at your chosen location with real-life scenarios!

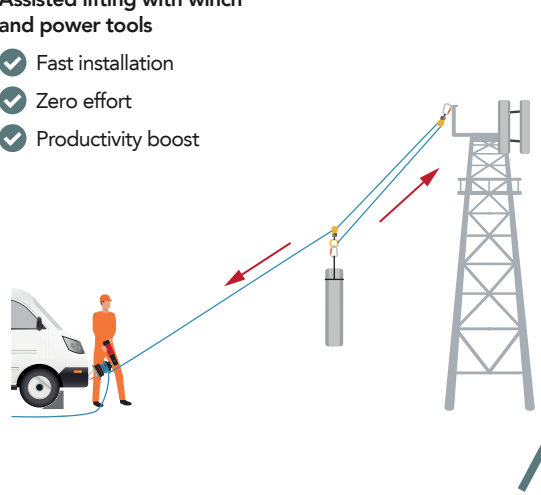
Expert Advice

Optimise lifting without mobile platforms

Using a winch with electric assistance for manual antenna lifting boosts productivity, allowing teams to work faster and without fatigue over time. This assistance also ensures engineer safety by reducing MSDs (musculoskeletal disorders) and the risk of injury.

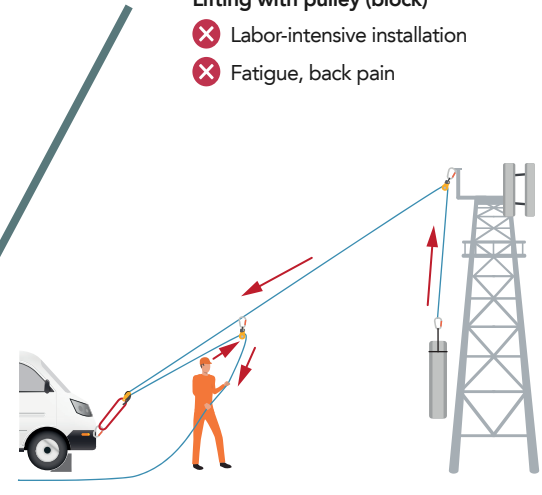
Assisted lifting with winch and power tools

- ✓ Fast installation
- ✓ Zero effort
- ✓ Productivity boost



Lifting with pulley (block)

- ✗ Labor-intensive installation
- ✗ Fatigue, back pain



APEX pulley simple Swivel 1.5



APEX Swivel Pulley that offers easy one-handed opening. The opening and security are ensured by a patented triple-action locking mechanism (Turn, Push, Open). Upon closing, the system automatically locks into place for intuitive and ergonomic operation, even when wearing gloves. Thanks to its swivel and rotating latch, the pulley allows for easy rope engagement without the need to disconnect it from its support.

Technical Specifications:

- + Rope diameter: up to 13mm
- + Maximum working load: 9.5kN
- + Breaking strength: 38kN
- + Dimensions: 150 x 74mm
- + Weight: 306g

PN	Description
1002543	APEX Single pulley Swivel 1.5

PETZL Single pulley Spin L1



High-efficiency pulley, its swivel system allows it to be oriented even under load, making manipulations such as connecting karabiners, ropes, or straps easier.

Technical Specifications:

- + Rope diameter: 7 to 13mm
- + Efficiency: 95%
- + Maximum working load: 8 kN
- + Breaking strength: 36kN
- + Weight: 290g

PN	Description
19947	PETZL Single pulley Spin L1

Multi-anchor plate for rigging



Rigging system for multiple loads with separation. Number of attachment points: 5.

Technical Specifications:

- + Material: Aluminum
- + Finish: Anodised
- + Dimensions: 104mm x 85.9mm x 9.5mm
- + 3 Sigma MBS (Minimum Breaking Strength): 36kN
- + Weight: 113g

PN	Description
1004428	Multi-anchor plate for rigging

Multidirectional gated ring



Gated ring system designed for semi-permanent connection of equipment. The round shape allows it to function optimally in all directions. It has a large opening that allows installation of ropes with sewn terminations.

Technical Specifications:

- + Material: Aluminum, plastic
- + Major axis strength: 23kN
- + Minor axis strength: 23kN
- + Opening: 11mm
- + Weight: 70g

PN	Description
1001240	Multidirectional gated ring

Pulling

TED® Continuous rods

TED® Continuous pulling rods are robust, ergonomic, and repairable. The cage model, with or without wheels, varies depending on the diameter and length of the rod.



PN: 0561



PN: 1001202



PN: 91027

PN	Description	Length
0561	TED® Continuous rod with cage 4.5mm	60m
1001202	TED® Continuous rod with cage 7mm	130m
91027	TED® Continuous rod with cage 11mm	300m

Cable pulling grips



Dedicated cable pullers for hoisting coaxial cables on towers. These pullers distribute pulling force evenly along the cable, minimizing friction and reducing vibrations on the structure. They support a maximum lifting length of 60 meters. The proposed model is designed for cables with pre-installed head connectors. Another model is available upon request for cables without head connectors.

PN	Description
40468	Cable grip for coaxial cable 1/2"
40469	Cable grip for coaxial cable 7/8"
40466	Cable grip for coaxial cable 1.1/4"
40467	Cable grip for coaxial cable 1.5/8"

TED® Straight cable roller



TED® Straight roller for cables or tubes. Highly versatile, this roller is essential for all deployments to prevent cables from rubbing against the ground or trench. Using the roller reduces the force required for unwinding and protects the cable. For longer distances, multiple rollers are recommended. Maximum capacity: Ø135mm.

PN	Description
1000850	TED® Straight cable roller

TED® Cable dispenser roller



Cable dispenser roller TED® for cable drums with a maximum weight of 200kg.

Technical Specifications:

- + Compatible cable drums:
- + Mini-maxi diameter: 200 - 700mm
- + Max width: 500mm
- + Max allowed weight: 200kg

PN	Description
1000851	TED® Cable dispenser roller

CABLE PREPARATION

Preparing coaxial cables



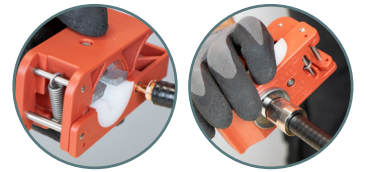
Cable preparation tool

This tool improves the preparation of the cable before fixing the connector. No other tool is necessary to prepare the cable for fixing the connector. It is suitable for Cellflex or Superflex dielectric cables in combination with OMNIFIT premium or standard connectors.



Product Advantages:

- + All-in-one tool
- + Calibrated to avoid errors



PN	Description
40387	Tool for 1/2" Cellflex cable and standard connector
40464	Tool for 1/2" Cellflex cable and premium connector
40384	Tool for Superflex 1/2" cable and standard connector
40463	Tool for Superflex 1/2" cable and premium connector
40388	Tool for 7/8" Cellflex cable and standard connector
40465	Tool for 7/8" Cellflex cable and premium connector

Expert advice

Preparing the cable

Using the dedicated RFS tool makes it easier to fit connectors to coaxial cables and reduces the risk of faults. It is recommended to ensure installation quality and network performance. Choosing the right tool depends on the type and cross-section of the cable, as well as the type of connector (standard or premium).

CONNECTOR TYPE	CABLE TYPE AND CROSS- SECTION		
	1/2"		7/8"
	CELLFLEX	SUPERFLEX	CELLFLEX
STANDARD	40387	40384	40388
PREMIUM	40464	40463	40465

* Tools for other cable cross-sections are also available, please consult us.

Hacksaw frame lg 420mm



Cod tail brush



Product Advantages:

- + Removes all residues after cutting to avoid disturbance

PN	Description
0618	Hacksaw frame lg 420mm
0396	Hacksaw blade bi-metal 300mm

PN	Description
3701	Cod tail brush



Cold sealing tubes on page 56

Preparing power cables

Stripping knives

KNIPEX Stripping knife with guide shoe and ratchet function

This tool makes it easy to strip all types of power cables, even those with the thickest sheaths, thanks to its robust blade and ratchet function. Adjustable to 4 positions, the blade enables longitudinal and circular cuts to be made as required. The guide shoe provides extra protection by insulating the conductor under the sheath. Finally, its ergonomic handle ensures optimum comfort in use.



Product Advantages:

- + Multi-position blade for different types of cut
- + Ratchet lever for easy cutting of the thickest sheaths
- + Three-stage blade lock for safe handling and transport
- + Eyelet for mounting the fall arrest lanyard

PN	Description
1004565	KNIPEX stripping knife with guide shoe and ratchet function



KNIPEX Stripping knife with guide shoe VDE/1000V



Product Advantages:

- + Ergonomic, non-slip handle

PN	Description
1189	KNIPEX stripping knife with guide shoe VDE/1000V



Discover our range of D-Core energy cables in our Mobile Networks catalogue available on [telenco.com](https://www.telenco.com)

Wire strippers



KNIPEX automatic insulation stripper

This is one of the most accurate wire strippers on the market, with a wide range of capacities from 0.08 to 16mm². Its integrated cable cutter at the top offers the same cutting capacity. The semi-circular jaw holds the cable firmly, ensuring clean, precise stripping every time.

Product Advantages:

- + 2-in-1 tools: cable stripper and cutter
- + Eyelet for mounting the fall arrest lanyard



PN	Description
1002948	KNIPEX automatic insulation stripper

TED® 1000V insulated wire stripper



Product Advantages:

- + Cable stripping from 5mm to 10mm²
- + Simple adjustment to cable cross-section using a knurled nut

PN	Description
32065	TED® 1000V insulated wire stripper

WEICON automatic wire strippers



Product Advantages:

- + Cable stripping from 0.2 to 6mm²
- + Automatic adjustment to cable cross-section
- + Fully insulated

PN	Description
8224	WEICON automatic wire strippers up to 6mm ²

Crimping pliers

KNIPEX self-adjusting crimping pliers for wire ferrules 0.08-16mm²

This unique crimping tool covers a wide range from 0.08 to 16.0mm² and automatically adjusts to the size of cable ferrules. The engineer doesn't have to strain to get the optimum crimping pressure, thanks to the force-multiplying handle. What's more, its ergonomic handle makes work more comfortable and enjoyable.



Product Advantages:

- + High, consistent crimping quality thanks to ratchet mechanism

PN	Description
18301	KNIPEX self-adjusting crimping pliers for wire ferrules 0.08-16mm ²



Wire end ferrules



PN	Description	Color	Packaging
18896	1.5mm ² wire end ferrule	Black	Box of 100
18897	2.5mm ² cable end ferrule	Black	
20134	4mm ² wire end ferrule	Orange	
20135	6mm ² wire end ferrule	Green	
20130	10mm ² wire end ferrule	Brown	
20131	16mm ² wire end ferrule	Beige	

K05NF crimping tool copper terminals and sleeves 6 to 50mm² NFC20-130

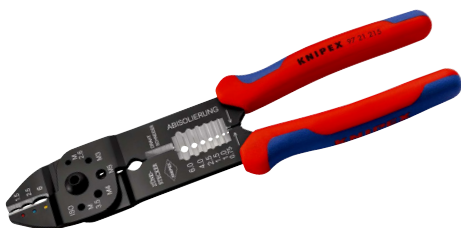


Product Advantages:

- + For crimping terminals and insulated terminals

PN	Description
11077	K05NF crimping tool copper terminals and sleeves 6 to 50mm ² NFC20-130

KNIPEX universal crimping tool for insulated terminals 0.75 - 6mm²



PN	Description
1002958	KNIPEX universal crimping tool for insulated terminals 0.75 - 6mm ²

RJ45 / RJ12 / RJ11 crimping tool



PN	Description
1526	RJ45 / RJ12 / RJ11 crimping tool



See our selection of consumables including cable lugs, ferrules and sleeves p60

Fibre Cleaning

TED® ferrule cleaning pen



PN	Description
19546	TED® Cleaning pen for ferrules 1.25mm
34004	TED® Cleaning pen for ferrules 2.5mm

FTTA maintenance kit



Composition of the kit:

- + TED® optical pen 1mW
- + Cleaning pen for 1.25mm TED® ferrules
- + Cleaning pen for 2.5mm TED® ferrules
- + Adapter for 1.25mm ferrule
- + Isopropyl alcohol spray 200ml
- + Box of 50 cleaning rods for 1.25mm ferrules (LC/MU)
- + Box of 50 cleaning rods for 2.5mm ferrules (SC,ST,FC)
- + TED® shoulder bag

PN	Description
1005015	FTTA maintenance kit

TED® fibre optic cleaning spray



PN	Description	Packaging
1001878	TED® fibre optic cleaning spray	Spray 200ml

TED® swabs



PN: 30064

PN: 30065

Sticks specially designed for decontaminating ferrules. Dampen slightly before cleaning the connector, then use a dry cleaning rod.

PN	Description	Packaging
30064	TED® cleaning swabs for 1.25mm ferrules (LC, MU)	Pack of 50
30065	TED® cleaning swabs for 2.25mm ferrules (LC, MU)	

TORQUE TIGHTENING

Torque spanners

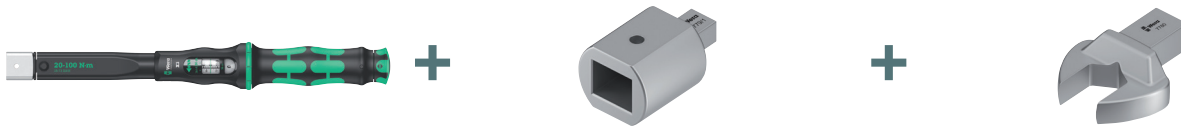
Torque spanners are essential tools for ensuring the precise and safe installation of equipment in mobile networks. Their use ensures that connections are correctly tightened, thereby guaranteeing the reliability of installations and the safety of operators. By applying the torque recommended by the manufacturer, torque spanners reduce the risk of damage or fire to sensitive equipment such as antennas, cables and even the structure of masts.

Torque spanners with shaft

Torque spanners with 9 x 12 shank

Adapter for torque spanner

Forked end for torque spanner, 14 x 18 drive end



PN	Tightening torque
17764	20 - 100Nm
14437	10 - 50Nm
20011	2.5 - 25Nm

PN	Fitting
17765	9 x 12 for 14 x 18 fork

PN	Dimensions
17766	22mm
17943	24mm
17767	32mm

Ratchet torque spanners

Ratchet socket set

Ratchet torque spanners



PN	Fitting / Tightening torque
17474	1/4" / 2.5 - 25Nm
16827	3/8" / 10 - 50Nm

PN	Description
1005700	WERA Zyklop 1/4" socket set 9 pieces from 4 to 13mm
1005699	WERA Zyklop 3/8" socket set 9 pieces from 8 to 19mm

Expert advice

Why tighten connectors to the right torque?

It is crucial to comply with the torque specifications provided by the coaxial cable connector manufacturer to avoid signal loss, interference or mechanical damage.

The tightness of the connectors can only be guaranteed if the recommended tightening torque is correctly applied. Use of a calibrated torque spanner is recommended to ensure compliance with these specifications.

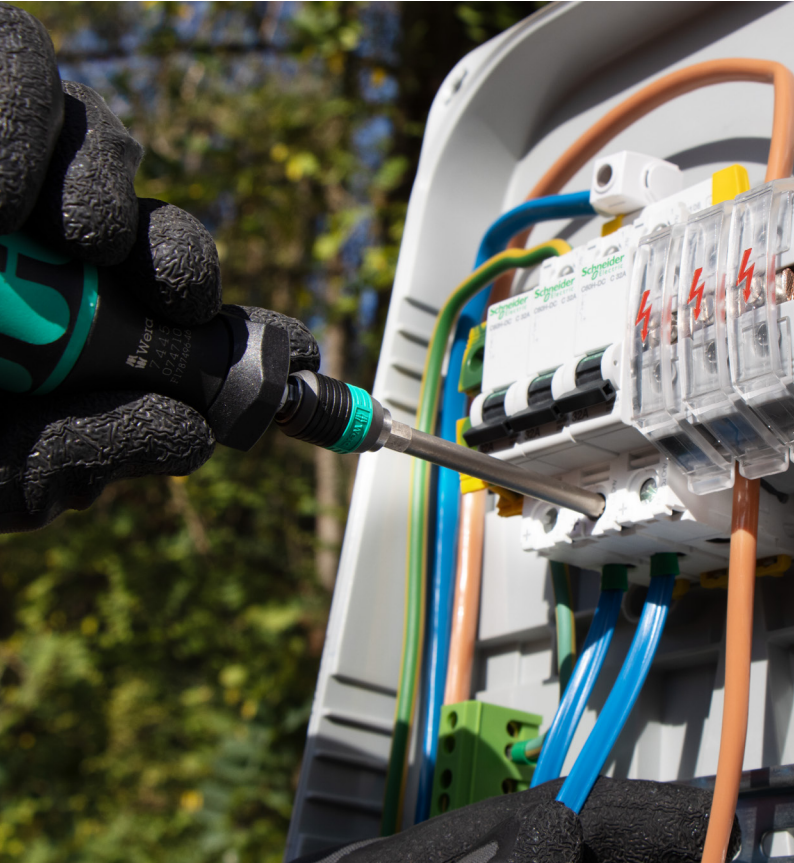
Indicative tightening values
by connector type

CONNECTOR TYPE	TYPICAL TORQUE RANGE*
N	around 3 to 8Nm
4.3/10	around 5 to 8Nm
7/16 DIN	around 25 to 30Nm

* Always refer to the manufacturer's product data sheet.



Torque screwdrivers



WERA torque screwdriver with hexagonal bits, adjustable torque

Wera's torque screwdriver is designed to ensure optimum precision when tightening terminal blocks, which is essential to prevent the risk of fires starting. Easy to adjust from 2.5 to 11.5Nm, it fits 1/4 hexagon bits and provides a perfectly audible click when the set torque value is reached. Compact and ergonomic, it enables high-quality work to be carried out, even in confined spaces, for safe, reliable installation.

Product Advantages:

- + Precise torque setting
- + Easy-to-read scale
- + Simple set-up



PN	Description
1002809	WERA torque-adjustable screwdriver with hexagonal bits
1002810	WERA Hexagon socket 4 x 89mm

Expert advice

Maintenance of torque tools

To ensure precise, long-lasting tightening, it is essential follow a few good operating practices:

➤ Calibration of Dynamometric Adjustable Tools:

A calibrated torque tool is the key to precise, safe tightening. Calibration ensures that the tool applies the exact force required, guaranteeing the reliability of assemblies and the safety of installations. To maintain accuracy, each torque spanner must be calibrated every 5.000 cycles after it is first used by the user, in accordance with tightening standards. One cycle corresponds to one «click» emitted by the spanner during precision tightening.

An uncalibrated tool can lead to tightening errors, increasing the risk of loosening or breaking fasteners. To simplify monitoring, **we offer a calibration service**. Information from your sales advisor or by email: sales@telenco.com

➤ Tool compatibility:

Combine tools and bits from the same manufacturer for maximum precision. For example, WERA guarantees optimum precision if all the chain components are WERA brand.

➤ Adjustment after use:

After each use, reduce the torque spanner setting to its minimum value to protect the tool and avoid premature wear of the spring, thus reducing the frequency of calibration.

HAND TOOLS

Tools suitable for tethering



PN:16517 PN:16518 PN:16519 PN:16522

PN	Description
16517	KNIPEX 1000V insulated, universal pliers lg 180mm, tethered
16518	KNIPEX 1000V insulated, straight half-round pliers lg 200mm, tethered
16519	KNIPEX 1000V insulated, curved half-round pliers lg 200mm, tethered
16522	KNIPEX 1000V insulated, power tongs lg 250mm, tethered



PN:16523 PN:16525 PN:16526

PN	Description
16523	KNIPEX 1000V insulated, copper/aluminium cable cutter lg 160mm, tethered
16525	KNIPEX Wrench Pliers lg 250mm, tethered
16526	KNIPEX steel cable cutter lg 190mm, tethered

Tools Lanyards



PN:16527

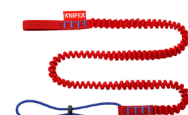


PN:16528

PN	Description
16527	KNIPEX Complete tethering kit for tools 16528
16528	KNIPEX Set of 2 screw-in karabiners for tools



PN:16529



PN:16530

PN	Description
16529	KNIPEX Set of 3 tool/length tethering connectors
16530	1.5m lanyard for KNIPEX tools

Screwdrivers

Set of 6 TED® screwdrivers 3 flat and 3 Phillips



Composition of the kit:

- + 4 flathead screwdrivers:
 - 3 x 100mm
 - 4 x 100mm
 - 5 x 125mm
 - 6.5 x 150mm
- + 2 Phillips screwdrivers:
 - PH1, PH2
- + 2 Pozidriv screwdrivers:
 - PZ1, PZ2



PN	Description
30040	Set of 6 TED® screwdrivers - 3 flat and 3 Phillips

Set of 8 TED® screwdrivers 4 flats, 2 Phillips and 2 Pozidriv



Composition of the kit:

- + 3 Phillips screwdrivers:
 - PH0 - PH1 - PH2
- + 3 flat screwdrivers:
 - 3 x 100mm
 - 5.5 x 125mm
 - 6.5 x 12mm



PN	Description
30041	Set 8 TED® screwdrivers - 4 flats, 2 Phillips and 2 Pozidriv

Non-insulated screwdrivers



PN	Dimensions (mm)	Type
30001	3 x 100	
30002	4 x 100	
30003	5 x 125	
30004	6 x 125	
30005	8 x 150	●
30006	2.5 x 75	
30007	6.5 x 150	
30008	10 x 200	
30010	PH0 x 80	
30011	PH1 x 100	+
30012	PH2 x 125	
30013	PH3 x 150	
30020	PZ0 x 75	
30021	PZ1 x 100	✳
30022	PZ2 x 125	
30023	PZ3 x 150	
30030	T10 x 75	
30031	T20 x 100	
30032	T5 x 60	
30033	T6 x 60	
30034	T8 x 60	✳
30035	T15 x 80	
30036	T25 4.5 x 100	
30037	T30 6 x 115	

Insulated screwdrivers



Réf	Dimensions (mm)	Type
32051	2.5 x 75	
32052	3 x 100	
32053	4 x 100	
32054	6.5 x 1	●
32055	8 x 175	●
32073	3.5 x 100	
32074	4.5 x 125	
32075	5.5 x 125	
32056	PH1 x 80	
32057	PH2 x 100	+
32058	PH3 x 150	
32059	PZ0 x 60	
32060	PZ1 x 80	✳
32061	PZ2 x 100	

Ratchet set

WERA Zyklus Speed 10 to 19mm
1/2 ratchet set + bits



PN	Description
17957	WERA Zyklus Speed 10 to 19mm 1/2 ratchet set + bits

WERA Zyklus ratchet set 3/8
+ socket 6 to 19mm 1000V VDE insulated



PN	Description
17006	WERA Zyklus ratchet set 3/8 + socket 6 to 19mm 1000V VDE insulated

Flat spanners

Set of 25 TED® combination spanners
- Ø6 to 32mm spanners



TED®

PN	Description
32041	Set of 25 TED® combination spanners - Ø6 to 32mm 17384
17384	Set of 25 TED® combination spanners - Ø8 to 19mm

Set of 4 reversible ratchet combination
WERA Joker 10 to 19mm



PN	Description
17385	Set of 4 WERA Joker reversible combination ratchets 10 to 19mm

Allen keys

Set of 9 WERA hexagon socket spanners
with long ball heads



PN	Description
16071	Set of 9 WERA hexagon socket spanners with spherical long

Set of 9 WERA T8 to T40 long ball-head
Torx spanners



PN	Description
18176	Set of 9 WERA T8 to T40 Long Torx Ball Head Wrenches

POWER TOOLS

On mobile network sites, hand-held power tools are essential for carrying out work. Whether for erecting towers, laying cables or maintaining equipment, these tools make work faster and more efficient. Perforators are used indoors to fix equipment to walls, or outdoors on concrete structures, and require high performance. Grinders are used to cut cable trays and bolts that are too long. Finally, bolt extractors and impact screwdrivers are used to tighten nuts found on both tower structures and the equipment to be fixed.

Drills

Perforators

BOSCH 18V Hammer Drill



Product Advantages:

- + ProCore batteries offer increased power in a more compact format, making them lighter and ideal for intensive work.
- + Battery weight: 0.995kg

Composition of the pack:

- + 2 ProCore 18V batteries
- + 1 quick charger
- + SDS plus interchangeable chuck
- + A storage box

PN	Model	Battery	Striking force (J)
16666	GBH 18V-26F	18V - 5Ah	2.6J

MILWAUKEE 18V Hammer Drill



Product Advantages:

- + High Output batteries deliver superior power without the risk of overheating, allowing extended use.
- + Battery weight: 1.1kg

Composition of the pack:

- + 2 High Output 18V batteries
- + 1 quick charger
- + A storage box

PN	Model	Battery	Striking force (J)
18840	M18 FUEL™ Perforateur SDS Plus	18V - 5.5Ah	2.5J

Drill bits

MILWAUKEE SDS+ 4 bit concrete drill



PN	Diameter	PN	Diameter
20065	Ø5 x 110mm	20070	Ø12 x 160mm
20016	Ø6 x 110mm	20070	Ø12 x 160mm
19987	Ø6 x 160mm	20071	Ø12 x 450mm
20066	Ø6 x 260mm	20074	Ø12 x 600mm
20018	Ø6 x 310mm	20075	Ø12 x 1000mm
20017	Ø8 x 110mm	20076	Ø14 x 600mm
20067	Ø8 x 160mm	19680	Ø14 x 1000mm
20068	Ø8 x 260mm	17304	Ø16 x 600mm
19983	Ø8 x 450mm	20077	Ø16 x 1000mm
20069	Ø10 x 160mm	20078	Ø18 x 450mm
16468	Ø10 x 455mm	20912	Ø20 x 1000mm
20069	Ø10 x 160mm		

HSS drill



PN	Diameter	PN	Diameter
17122	Ø2mm	17130	Ø8.5mm
17005	Ø2.5mm	17133	Ø9mm
17124	Ø3mm	17132	Ø9.5mm
17123	Ø3.5mm	17117	Ø10mm
17126	Ø4mm	17116	Ø10.5mm
17125	Ø4.5mm	17119	Ø11mm
17128	Ø5mm	17118	Ø11.5mm
17127	Ø5.5mm	17120	Ø13mm
17129	Ø6mm	17121	Ø14mm
5226	Ø6.5mm		
5227	Ø7.5mm		
17131	Ø8mm		

Drill drivers

BOSCH 18V drill/driver



Composition of the pack:

- + 2 ProCore 18V batteries
- + 1 quick charger
- + A storage box

PN	Model	Battery	Maximum torque (Nm)
16294	GSR 18V-110	18V - 4Ah	110Nm

MILWAUKEE 18V drill/driver



PN: 18838

PN: 18839

Composition of the pack:

- + 2 RED LITHIUM batteries™
- + 1 charger
- + A storage box

PN	Model	Battery	Maximum torque (Nm)
18838	M18 driver compact	18V - 4Ah	60Nm
18839	M18 FUEL™ driver	18V - 5Ah	135Nm

Compact impact drivers

BOSCH 18V impact driver



205mm

Product Advantages:

- + This model has three speed and torque settings for precise power delivery, offering greater versatility.

Composition of the pack:

- + 2 x 18V batteries
- + 1 quick charger
- + 1/4" hexagon and 1/2" male square
- + A storage box

PN	Model	Battery	Maximum torque (Nm)
19828	M12 FUEL™ impact driver	18V - 5Ah	210Nm

MILWAUKEE 1/4" 12V impact driver



127mm

Product Advantages:

- + This format is only 127mm high, is perfect for working in confined spaces

Composition of the pack:

- + 2 RED LITHIUM batteries™
- + 1 charger
- + A storage box

PN	Model	Battery	Maximum torque (Nm)
18827	GDX 18V-210C	12V - 2Ah	170Nm

Angle grinders and cutting discs



BOSCH 18V X-LOCK angle grinder

The X-LOCK grinder offers fast, tool-free disc changing: a simple click is all it takes to replace a disc in less than 5 seconds. This system guarantees safe assembly, while increasing your efficiency. What's more, X-LOCK discs are compatible with conventional grinders, making them versatile and economical. This grinder saves you time and lets you work in complete safety.

Product Advantages:

- + Performance and endurance "X-Lock" one-click disc locking system

Composition of the pack:

- + 2 ProCore batteries
- + 1 quick charger
- + A storage box



PN	Model	Battery	Power
18316	GWX 18V-15 SC	18V - 8Ah	1500W

Cutting disc for X-LOCK grinders

PN	Description	Packaging	Diameter
1002368	X-LOCK cut-off wheel for stainless steel	1	Ø125 x 1.5mm
18852	X-LOCK cut-off wheels for metal	1	Ø115 x 2.5mm

BOSCH Angle grinder 18V



Composition of the pack:

- + 2 x 18V batteries
- + 1 quick charger
- + A storage box

PN	Model	Battery	Power
19122	GWS 18V-7	18V - 4Ah	700W

MILWAUKEE 18V angle grinder



Product Advantages:

- + Safety: dead man's switch

Composition of the pack:

- + 2 RED LITHIUM batteries™
- + 1 quick charger
- + A storage box

PN	Model	Battery	Power
19434	M18 FUEL™ ONE-KEY™ 125mm angle	18V - 5Ah	1200W

Cutting discs for conventional grinders

PN	Description	Packaging	Diameter
16751		1	Ø125 x 1.5mm
1814	Metal cutting disc	3	Ø115 x 3mm
3546		3	Ø125 x 3mm
1002138		10	Ø125 x 1mm
3545	C30S concrete cut-off wheel	1	Ø125 x 3mm

Nutrunners and impact sockets

MILWAUKEE impact drivers



PN: 18858



PN: 18837

Composition of the pack:

- + 2 RED LITHIUM batteries™
- + 1 charger
- + A storage box

PN	Model	Battery	Maximum torque (Nm)
18858	M12 FUEL™ Ultra-compact 1/2" nutrunner	12V - 4Ah + 2Ah	339Nm
18837	M18 FUEL™ 1/2" bolt gun with O'ring attachment	18V - 5Ah	745Nm

Sets of impact sockets

Set of 12 impact sockets
1/2 from 10 to 24mm



WERA Set of 9 1/2 impact sockets from 13 to 21mm



WERA Set of 3 1/2 long impact sockets 17-19-21mm



PN	Description
17209	Set 12 1/2" impact sockets from 10 to 24mm

PN	Description
18175	WERA Set of 9 impact sockets 1/2 from 13 to 21mm

PN	Description
18326	WERA Set of 3 long sockets 17-19-21mm

WORKSITE SAFETY

Traffic cones

Traffic cones



Non-Reflective cone



Reflective cone - Class 1



Retro-Reflective cone - Class 2

PN	Class	Height	Strips	Ballasted	Packaging	Unit weight
6585	-	30cm	Non-Reflective	-	Unit	0.53kg
2018	-	50cm	Non-Reflective	-	Pack of 10	1.05kg
16059	1	50cm	Reflective strips	-	Pack of 10	1.3kg
16379	1	75cm	Reflective strips	-	Unit	3.1kg
6218	2	50cm	Retro-Reflective strips	-	Unit	1.31kg
16380	2	75cm	Retro-Reflective strips	-	Unit	4.2kg
17415	1	50cm	Reflective strips	●	Pack of 10	1.9kg
17416	2	50cm	Retro-Reflective strips	●	Pack of 10	1.9kg
17417	2	75cm	Retro-Reflective strips	●	Pack of 10	4.7kg

TED® telescopic bar for warning beacon

White and red worksite marking tape

TED®



Technical specifications:

- + Fixing bar extendable from 1.30 to 2.15 m
- + Material: ABS
- + Suitable for all types of beacon

PN	Description	Weight
35009	TED® Telescopic bar 1.30 - 2.15m for signalling beacons	0.6kg

Technical specifications:

- + Double-sided printing
- + Alternating diagonal colours

PN	Description	Model
0869	50mm x 100m	Standard
1979	70mm x 200m	Standard
14588	75mm x 250m	Retro-PNllective

Optima site tent

TED⁺

Product Advantages:

- + Total protection against rain, cold, wind and sun
- + Made from robust, premium-quality materials
- + Two side vents ensure better air circulation air circulation
- + White fabric for natural lighting
- + Reflective stripes and yellow fabric for a clearer view. better visibility/safety
- + Tent ready to use in seconds: quick set-up and dismantling by a single person
- + Partial opening at the rear of the tent easy cable routing
- + Inside storage pocket
- + Canopy to extend your working area
- + Dimensions of unfolded product: L180 x W180 x H190cm

PN	Description
2010	Optima site tent



Custom branding

Customise your site tents!

We know that your time is precious. That's why we offer a personalised flocking service.

By personalising your site tents, your engineers will be true ambassadors for your company when they're on site. It will also be easier for outside parties to identify them on site.

Lighting

TED® LED spotlight by Scangrip 1500 lumens



TED®

Projector kit with TED® tripod



TED®

Buy the projector on its own or as a kit with the tripod!

PN	Description
1001433	TED® LED spotlight by Scangrip 1500 lumens

PN	Description
1002409	Projector kit with TED® tripod

SCANGRIP LED spotlight Nova 6K- 6000 lumens



SCANGRIP Vega 3000 lumens LED spotlight



SCANGRIP Single tripod for Vega and Nova floodlights



PN	Description
16671	SCANGRIP Nova 6K LED spotlight - 6000 lumens

PN	Description
16672	SCANGRIP Vega 3000 lumens LED spotlight

PN	Description
16934	SCANGRIP 1 to 3m tripod for Vega and Nova spotlights and floodlights

Buy the spotlights on their own or as a kit with the tripod!

Generators and energy station

Access 2000 generator set



ROBIN EXPERT Generator 3010X - 2.6kW



IZYWATT 1500 portable energy station



PN	Description
17436	Access generator set 2000

PN	Description
5052	ROBIN EXPERT Generator 3010X - 2.6kW

PN	Description
19986	IZYWATT 1500 portable energy station

Testing and measuring mobile network installations



Mobile infrastructures incorporate high-tech equipment (cellular antennas). To ensure that this equipment operates at optimum levels, it is essential to test it as soon as it is commissioned and throughout site's operation, in order to carry out preventive and corrective maintenance.

Many networks co-exist on a mobile site: energy, coaxial and fibre optic. Choosing the right equipment is essential if you are to work on all these different networks.

The rollout of 5G is posing ever greater challenges for mobile networks. The signal is highly sensitive to a range of interferers that can degrade its quality. Research into the signal-to-noise ratio (SNR) makes it possible identify these interferences and take action to correct them and optimise signal quality.

Sites deployed in urban environments are faced with numerous constraints. In particular, the phenomenon of passive intermodulation (PIM). This is a phenomenon that occurs when several high-frequency signals interact in a non-linear way, creating new signals that appear at different frequencies to those of the original signals. These new signals can fall into the antenna's reception band and disrupt the overall performance of the network.

Antenna alignment is also a critical issue for accurate network coverage. One of the challenges of 5G is to deploy smart cells that produce focused directional beams. In order to maximise performance, azimuth and LTE correction are essential.

This selection of measuring equipment covers all these areas application in the deployment and maintenance of mobile sites.



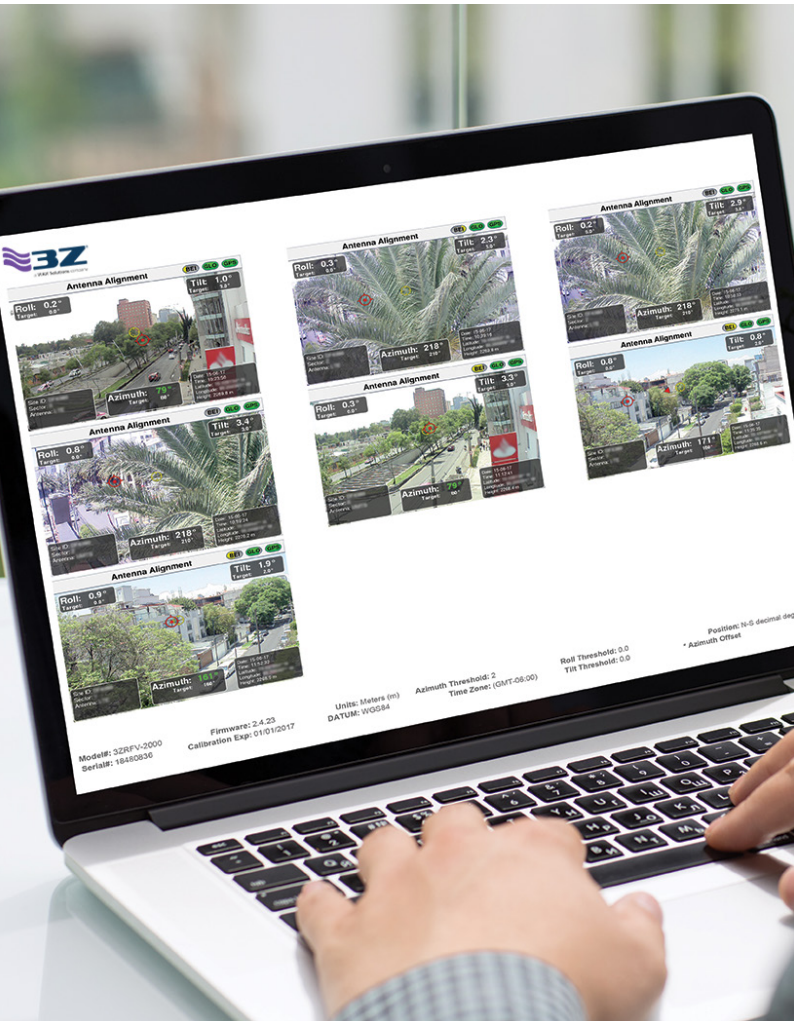


Measurement

ANTENNA ALIGNMENT	40
OPTICAL FIBRE	41
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ANTENNA ALIGNMENT



VIAVI 3Z RF Vision antenna aligner

The 3Z RF Vision is an innovative tool that enables engineers to precisely align antennas point by point, whether they are panel, microwave or 5G cylindrical. With its compact size, robust design, intuitive user interface and integrated camera, the 3Z RF Vision is the benchmark in antenna aligners.

Accessories included:

- + A universal strap clamp
- + A robust case with a padded interior
- + Waterproof carry bag
- + Rubber protectors for the harnesses wireless
- + AC/DC charger and power adapters universal

Technical specifications:

- + Reliable, automated line-of-sight report generation
- + Perfect match of
- + antenna alignment with RF planning
- + Integrated camera



PN	Description
20004	VIAVI 3Z RF Vision antenna aligner + camera display option

Antenna alignment



The CELaligner® is a dual-function directional antenna alignment for precise elevation and azimuth adjustment.

Product Advantages:

- + Hands-free operation when attached to the antenna
- + Quick and easy to use
- + Azimuth and elevation adjustment in a single tool

PN	Description
19443	CELaligner® Antenna tilt and elevation adjustment



OPTICAL FIBRE

Optical continuity and loss test kits

Photometry is used to assess the continuity, power and insertion losses of an optical installation.

TED® Visual Fault Locator




The TED® optical fibre laser or optical pen can be used to identify one fibre among others during installation, commissioning or maintenance. This light also highlights defects on the visible part of a fibre, such as stresses (macro-bends) and breaks in continuity. 2 output powers

PN	Description
15289	TED® Visual Fault Locator 10mw
1000946	TED® Optical pen 1mw
13094	Adapter for 1.25mm ferrule

Important: Class 3B Laser

- Do not look at the beam
- Wearing protective eyewear is mandatory



PN: 17887

OMK-35V2 single-mode optical loss test pack



Composition of the pack:

- + A laser source (OLS-35V2)
- + A power meter (OLP-35V2)

PN	Description
19413	OMK-35V2 single mode optical loss test kit



TED® QUAD optical loss test



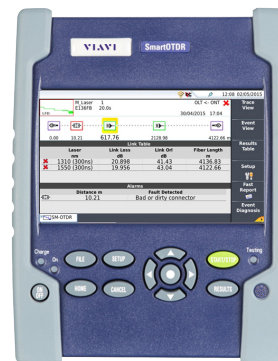
Composition of the pack:

- + A TED® photometer broadband (850/1300/1310/1490/1550/1625nm) pocket-sized, high-precision photometer with integrated visual fault locator (VFL 10mW)
- + A TED® optical source QUAD, which includes two wavelengths of 850/1300 nm for the multimode fibre and two wavelengths of 1310/1550nm for the single-mode fibre.

PN	Description
33013	TED® QUAD optical loss test pack

Reflectometry

Smart OTDR 126A



Lightweight and compact, the smart OTDR incorporates all the features of a latest-generation reflectometer. Equipped with a touch screen, it offers a user-friendly, intuitive graphical interface. Data stored in the tester can be retrieved via the USB and WiFi interfaces. This OTDR is 100% compatible with fibreCable 2 software, which enables OTDR measurements to be post-processed and a full optical report to be generated.

PN	Description
19913	Smart OTDR 126A: 1310/1550 - 37/35dB

* Other models available on request, please contact us.

Optical inspection

Fibrecheck 15 probe

The fibreChek probe leverages VIAVI's industry-leading expertise in fibre inspection to provide an portable solution that every fibre optic engineer can rely on to meet all of today's fibre inspection needs in a fully self-contained device. With built-in features for image viewing, auto-focus, pass/fail analysis, result storage and recall, the fibreChek probe fully automates inspection workflows ensure fast, accurate performance. Whether used alone or connected (WiFi, USB) to other devices, the fibreChek probe is the essential tool for every fibre optic engineer.



Technical specifications:

- + Carrying case
- + Integrated touch screen real-time view of the connector
- + Automatic focusing and centring
- + Clear pass/fail information
- + User-configurable threshold profiles
- + Report generation with pass/fail results
- + Compatible with fibreCheckPRO software
- + Up to 200x and 400x magnification for detailed analysis
- + Specific adapter on request

PN	Description	Battery
15925	Fibrecheck 15 probe	Li-Ion battery



Kit with 6 adapters:

Connector adaptors



Adapters for trunking

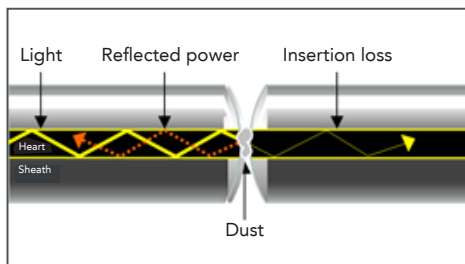


Expert advice

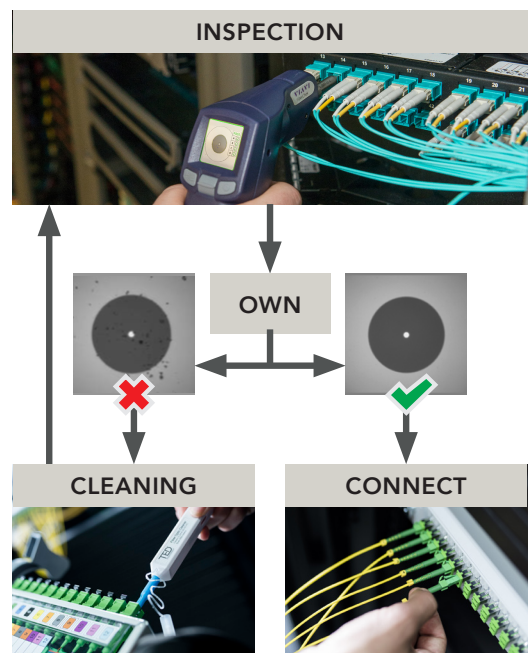
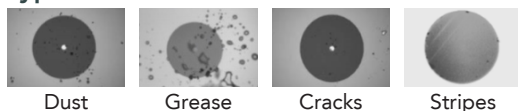
Make your networks more reliable!

Contamination of optical ferrules is the main cause of source of optical network failure (up to 70%).

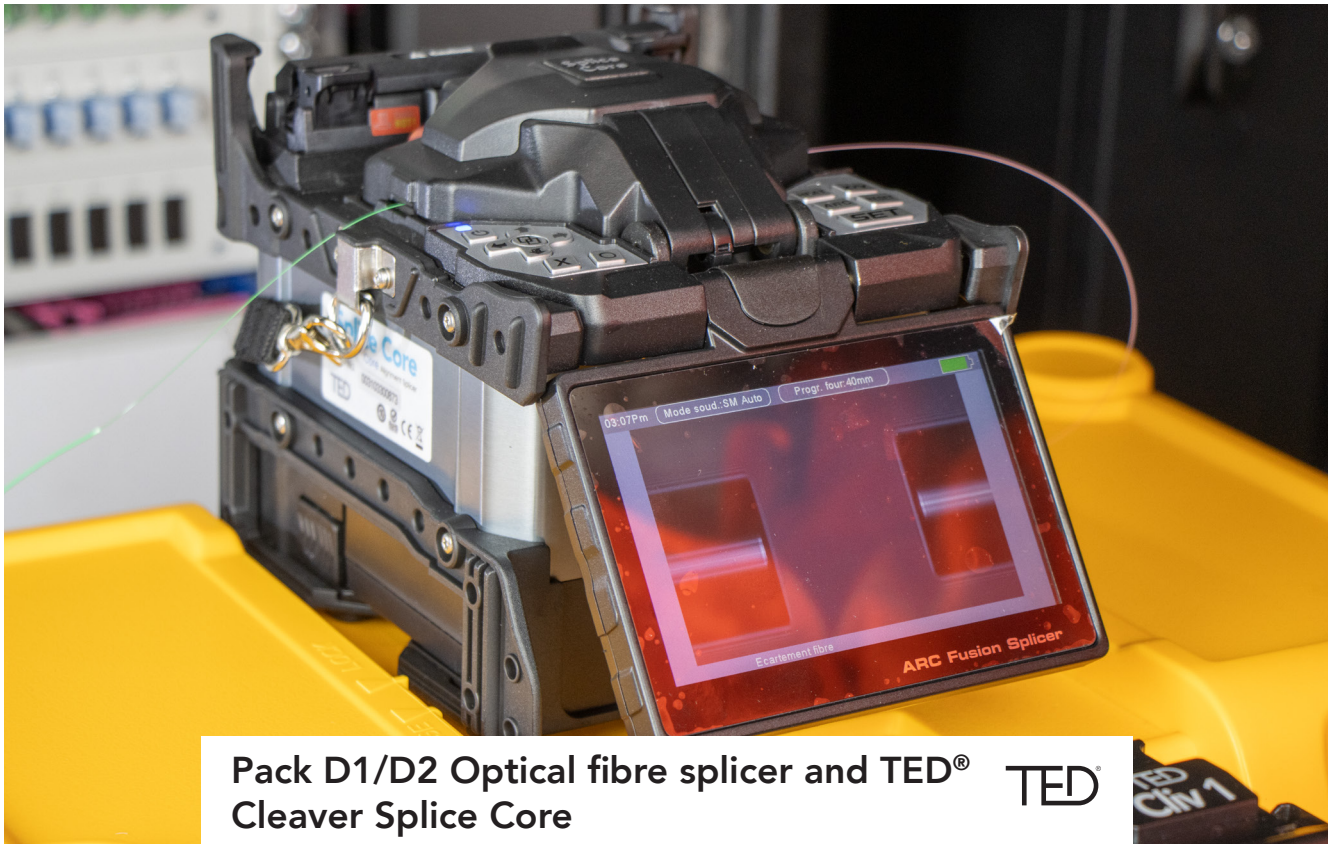
A small amount of dust in the core of the fibre can cause significant insertion loss and damage the fibre.



Type of contamination:



Optical splicing



Pack D1/D2 Optical fibre splicer and TED® Cleaver Splice Core

The TED® Splice Core fibre optic splicer meets the demanding needs of telecoms professionals. Efficient and high-performing, this optical splicer is also fast, splicing in 6 seconds and completing a full cycle (splice + shrink) in just 20 seconds.

Equipped with 6 motors, this fibre optic splicer aligns the fibre cores, with a very low splicing loss (SM 0.01dB).

Product Advantages:

- + Splicing time in 6s
- + Heating time: 12s
- + Neck strap for working at height or without a dedicated work surface/tray
- + Modular design for longer service life long and guaranteed for 3 years
- + Easy-to-use interface and colour touch screen
- + Resistant to falls of up to 76cm
- + Electrode life: approx. 5000arcs

Composition of the pack:

- + Splice Core TED® fibre optic splicing machine
- + Cliv 1 TED® fibre optic clipper
- + Rigid carrying case
- + A pair electrodes
- + 2 x 522mAh batteries
- + AC adapter and 230V cable
- + Carrying strap
- + Neck strap



PN	Description
1002010	Pack D1/D2 Fibre Optic 1002010 Splicer and Cleaver TED® Splice Core

OPTICAL FIBRE

Cable and fibre optic cleaning kit

This kit contains all the necessary equipment to help you clean fibre optic networks thoroughly, quickly and efficiently.

Composition of the pack:

- + Tool bag with shoulder strap TED®
- + 1 L bottle of isopropyl alcohol
- + Alcohol dispenser 240ml
- + Electro-Wash ES810E spray degreaser
- + Box of 280 dry wipes for cleaning FO Kimwipes EXL



PN	Description
18397	Cable and optical fibre cleaning kit

Splice Protection Sleeves



The range of Ø 2.4mm fibre optic smoooves is specially designed to meet all fibre optic applications. The smooove is used to guarantee the protection of optical splices, whether in internal or external boxes, drawers or cabinets.

Technical specifications:

- + Colour: transparent
- + Internal diameter before swaging: 1.2mm
- + Ø of reinforcement: 1mm
- + Minimum application temperature: 110°C

PN	Diameter	Length	Packaging
16475	2.4 mm	45mm	Bag of 100
16476	2.4 mm	61mm	Bag of 100

Smooovite



The Smooovite by TED® represents a true time saver. Technical teams no longer have to worry about lack of precision caused by cold, vision issues, or other factors. The Smooovite now enables perfect alignment of the splice protection to the optical fiber.

Technical specifications:

- + Capacity: 15 splice protection sleeves
- + Length of sleeves: 40 to 60mm
- + Optimised for protecting Ø2.4 and 2.2mm splices

PN	Description
34000	Smooovite by TED®



TED® Isopropyl alcohol spray Isopropyl alcohol



PN	Description
1001878	TED® Isopropyl alcohol spray 200ml



PN	Description	Capacity
8247	Isopropyl alcohol	1L
1664		5L

FO Kimwipes EXL dry cleaning wipes



PN	Description
4803	FO Kimwipes EXL Dry Cleaning Wipes - Box of 280

TED® Bottle of isopropyl alcohol



PN	Description
7013	TED® dispenser bottle 240ml

Kevlar scissors



PN	Description
4907	Kevlar scissors

Maintenance



TED® 3-in-1 multifunction Visual Fault Locator TED®

An essential tool for carrying out all the key tests on a fibre optic link in an FTTx network. Traffic detection checks for the presence a signal on a fibre without disconnecting or disrupting network traffic. It also indicates the direction of the signal. The Visual Fault Locator (VFL) highlights faults in an optical fibre link, such as bends and breaks in continuity. The Optical Power Meter (OPM) measures the performance of optical links.

Technical specifications:

- + Signal detection
- + Identification an active fibre
- + Isolating a fibre potentially damaged
- + Signal direction
- + Modulation frequency indication
- + Visual fault locator (VFL)
- + Continuous and flash modes
- + 10 mW output power
- + Power meter module (OPM)
- + Measurement units: dBm/dB/ μ W Wide wavelength range (850nm - 1625nm)

Product Advantages:

- + 3 in 1 tool - Fibre tester
- + compact and ergonomic all in one
- + 4 adapters to support most fibre diameters (250 μ m; 900 μ m; 2mm; 3 mm)
- + Universal 2.5mm connector (SC/ST/FC) for locating
- + visually detect faults and measure power
- + Backlit colour display
- + 24-month warranty



Important: Class 3B Laser

- Do not look at the beam
- Protective eyewear must be worn



PN	Description	Pack
1001597	TED® 3-in-1 multi-function visual fault locator	Unit

PN	Description	Pack
17887	Laser protection goggles	Unit

Clamp meter



Chauvin Arnoux F205 Clamp Meter

Current clamps are used for preventive and corrective maintenance of electrical equipment. When a current flows through a conductor, it generates a magnetic field around it. The clamp ammeter detects this field and converts it into a measurable electrical current (in amperes).

Features:

- + Jaw opening: 34mm
- + AC/DC current: Expressed in amperes (A)
 - AC: 600A
 - DC: 900A
- + AC/DC voltage measurement: Expressed in volts (V)
 - AC: 1000V
 - DC: 1000V
- + Resistance measurement: Expressed in ohms (Ω)
 - Used to test the continuity of a conductor
 - Detection of anomalies such as power cuts or short circuits
- + Automatic AC/DC current detection
- + Phase rotation Display of peak values: Peak+, Peak-, Min, MAX
- + Overcurrent measurement: When the current (A) exceeds the capacity of the conductor
 - Enables insulation faults to be identified
- + AC TRMS measurement: Taking account of signal distortions
- + Complies with IEC 61010-1
 - CAT III 1000V
 - CAT IV 600V

Product Advantages:

- + Results displayed on a backlit LCD screen
- + Versatile: Measurement of direct currents (DC) and Alternating current (AC)
- + Measurement without interrupting the electrical circuit
- + Easy to use: intuitive interface



PN	Description
1749	CHAUVIN ARNOUX Digital multimeter clamp F205

The importance of labelling identification telecoms networks



In a demanding industrial and technical environment such as that of mobile network sites, safety and organisation are absolute priorities. Correct **identification of installations**, equipment and cables is crucial to guaranteeing the smooth running of infrastructures, preventing incidents and facilitating maintenance.

Our range of safety labels, signs and wiring labels has been designed with this in mind. Our products are made from robust materials that can withstand harsh weather conditions and the wear and tear of time, while complying with the most stringent safety and compliance standards. Cable labels make it easy to manage connections efficiently, while our safety and identification labels provide **clear, visible warning of hazardous areas and dangers**.

With solutions tailored to the specific needs of telecoms professionals, this catalogue offers a variety of customisable products, enabling you to ensure a secure and organised working environment. Discover our selection and find the identification solutions that meet your needs.





Labeling and signage

CABLE IDENTIFICATION
MARKING AND SIGNAGE

50
52



CABLE IDENTIFICATION

Label Printers

The Brady M610 and M710 labellers print wide range of labels used in the deployment and maintenance of mobile sites. They are designed for cable identification: coaxial (straps and feeders), fibre optic (trunk, breakout or cords), energy (power supply and earthing) and also for labelling equipment (site safety pictograms, antennas, equipment in the BBU). Equipped with a keyboard and screen, these labellers are connected to the BRADY applications (software and PC), giving access to predefined label templates, the ability to print series of labels (prepared on an Excel file) and also to optimise label production time and limit the risk of errors on site.

Product Advantages M610:

- + Portable and versatile printer (printing labels and pictograms)
- + Reinforced shell for use on building sites (withstands falls of up to 1.80m)
- + New-generation Li-ion battery: 4500 labels/charge

Product Advantages M710:

- + Printer with integrated automatic cutter (ideal for automatic cutting a large series of labels prepared in advance of the job)
- + The widest choice labels (on-site security identification)



M610



M710



PNerence	1000855	1000854
Screen	YES	YES
Batteries or Batteries	Battery	Battery
Number labels / load	4500	4500
Automatic cutting	NO	YES
BRADY Workstation software	YES	YES
Mobile application	YES	YES
Bluetooth	YES	YES
Magnet	YES	NO
Keyboard	YES	YES
Dimensions labels	Minimum width: 6.35mm Maximum width: 50.80mm	Minimum width: 6.40mm Maximum width: 50.80mm

Black ink ribbon for BRADY M610 labeller



Black ink ribbon for BRADY M710 labeller



PN	Description
1001019	Black ink ribbon for BRADY M610 labeller

Réf	Désignation
1001016	Black ink ribbon for BRADY M710 labeller

Labels

BRADY M611/M610/M710 B-109 label

Non-adhesive labels compatible with BRADY M610, M710 and M611 printers. Made from cross-laminated polyethylene, this Brady PNIll offers good tear resistance and excellent cold-weather performance.



Technical specifications:

- + Ribbon range: R4300, R6200 series
- + Shape: rectangle
- + Operating temperature: -40°C to 49°C
- + Packaging: 1000 labels per box
- + Electrical and coaxial cables installed on mobile antennas, identification of fibre optic distribution cables passing through boxes

Product Advantages:

- + Resistant to tears, cold and chemicals, moisture, UV, weathering
- + Quantity per 1000

PN	Description	Dimensions	Color	Packaging
1000982	BRADY M611/M610/M710 B-109 label	19.05 x 76.2mm	White	Box of 1000



In a BTS



Jumpers identification under antenna



Grounding

MARKING AND SIGNAGE

Safety labels and signs



On mobile network sites, safety labels are used to indicate several types of danger and obligation: electrical danger, falls from height, obligation to wear certain PPE, danger zones.

These labels are essential for ensuring the safety of workers by clearly and durably indicating hazards and the measures to be taken. These labels must meet strict standards to guarantee their durability in difficult conditions, resistance to UV rays, weathering and adaptability to all surfaces (metal, plastic, etc.) without peeling off.

The BRADY range of safety labels and signs complies with the ISO 7010 standard on high-performance materials for optimum durability.

Technical specifications:

- + Material: Laminated polyester
- + Finish: Gloss
- + Dimensions: 100mm x 87mm



PN: 1005219



PN: 1005217



PN: 1005220








PN: 1005221

PN	Description	Packaging
1005219	ISO BRADY safety - Electrical hazard	3
1005217	ISO BRADY safety label - Danger Laser radiation	3
1005220	ISO BRADY safety - Danger of tripping	3
1005221	BRADY ISO safety label - Safety footwear mandatory	1

Expert advice

The colours of the safety labels follow recognised standards:

-  Red: Indicates an immediate danger (e.g. fire, high voltage).
-  Yellow: Warns of a potential risk (e.g. risk of falling, attention to work areas).
-  Blue: Obligations (e.g. wearing PPE, specific instructions to follow).
-  Green: General safety information (e.g. emergency exit).
-  Black and white: General information or defined work areas.

MADE-TO-MEASURE SERVICE

Entrust us with your label and safety signs!

Choose the logo, the material and the dimensions,
and Telenco will take care of the rest.

More information from your sales advisor or by telephone: 04 76 35 00 15

The consumables selection for a sustainable mobile infrastructure



Consumables are all too often relegated to background, but they are essential to ensuring that work is carried out properly and that **the finishing touches are complete.**

Compliance and security: In certain areas, particularly outdoors or in critical environments, telecoms infrastructures must comply with strict standards, including those governing the choice of consumables.

Fault prevention: Mobile networks involve the coexistence of different technologies, which are subject to severe constraints, in particular the watertightness of connectors, and of electrical connections. Consumables help to ensure the longevity of these installations.

This catalogue contains a selection of essential consumables the smooth operation of mobile networks.

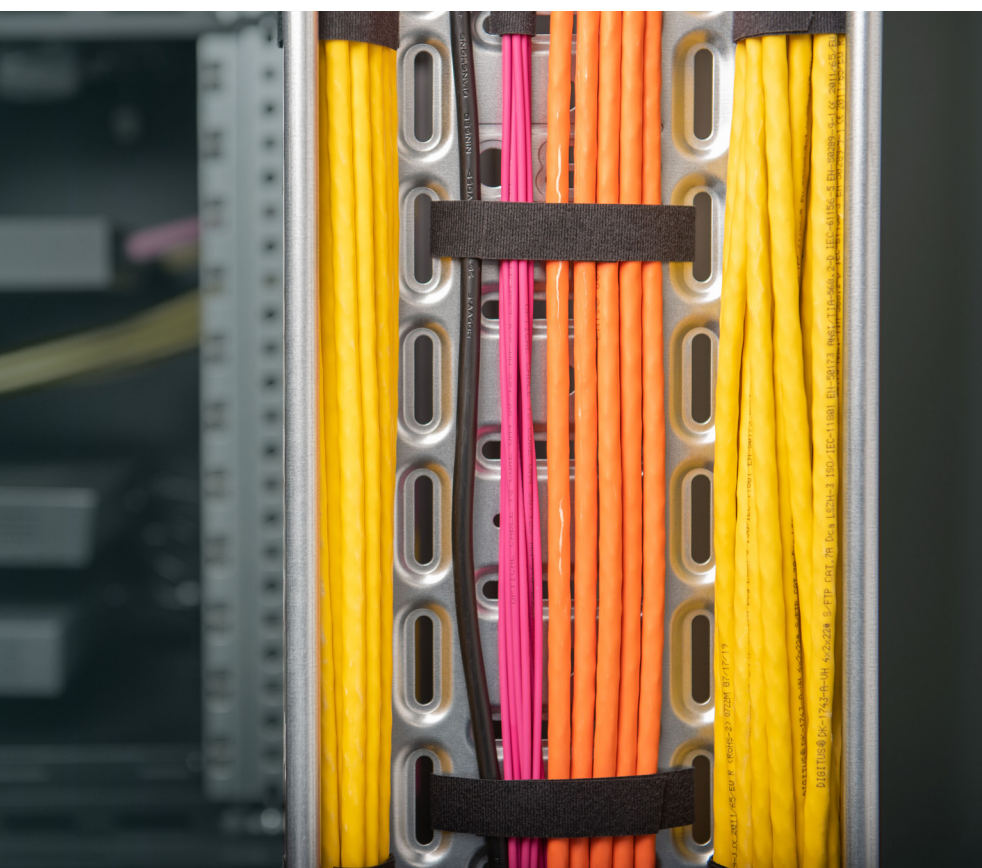
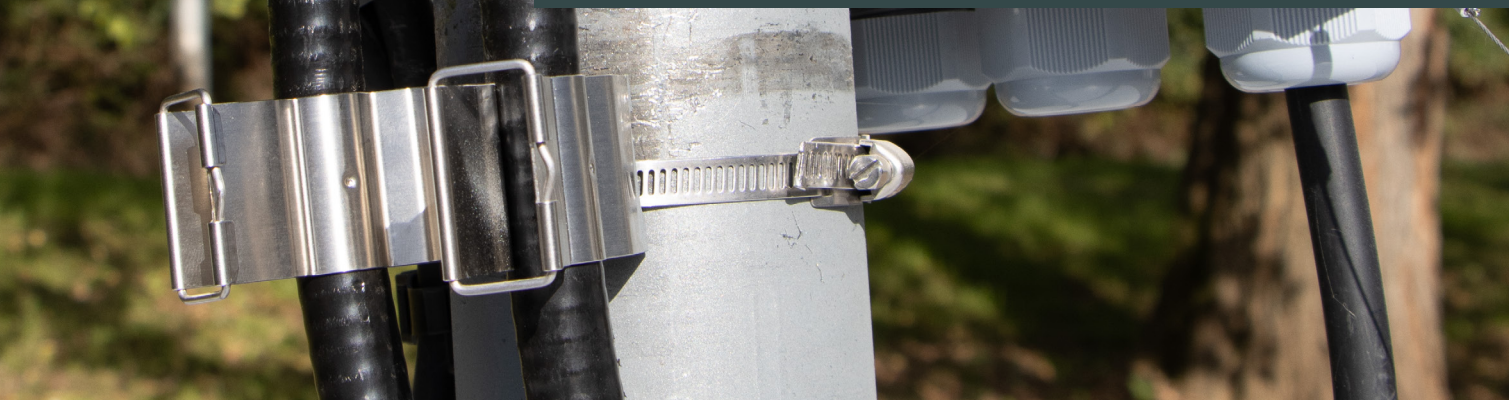




Consumables

CONNECTOR SEALING
CABLE TIES AND SERFLEX
CABLES CONNECTORS

56
57
60



CONNECTOR SEALING

Cold shrink tubes



Cold shrink tube for 4.3/10 cable 1/2" TED® connector

The cold shrink tube is a quick and easy way of sealing coaxial cables where radio aerial equipment is connected. It is reinforced by a strip of mastic integrated into the tube during production.

Product Advantages:

- + Quick and easy to install
- + Economic
- + No equipment required for installation
- + For maintenance, dismantling is as simple as cutting a notch

PN	Description
1001744	Cold shrink tube TED® for 4.3/10 connector and cable 1/2"

RFS cold shrink tube



PN	Description
40407	Cold shrink tube for N and 4.3/10 connectors and cable 1/2"
40484	Cold shrink tube for 7/16" and 4.3/10 connectors and cable 1/2"

CABLE TIES AND SERFLEX

Cable ties and tensioners

TED® Black PA6.6 cable ties

Cable ties are easy to install and fast, solid fixing thanks to their self-locking head. These strapping collars can also be used, for example, to group cables together for pathways, and to attach certain types of marking labels.



TED®

Technical specifications:

- + High UV resistance
- + Indoor or outdoor applications
- + Different sizes to suit different requirements of the various sectors
- + Available in a natural colour to blend in better easily in the environment

Product Advantages:

- + Simple to use, quick to set up
- + Versatile use, high UV resistance
- + For indoor and outdoor use

PN	Description	Color	Packaging
0490	100 x 2.5mm		
0403	150 x 3.6mm		
0404	190 x 4.8mm		
6679	200 x 2.5mm		
2007	200 x 3.6mm		
2821	200 x 7.6mm		
4468	250 x 7.6mm	Black	Box of 100
0491	280 x 4.8mm		
1595	300 x 3.6mm		
5214	360 x 7.6mm		
2825	630 x 7.8mm		
17884	762 x 9mm		

Tensioner

The clamp allows you to tighten the polyamide cable tie quickly and cut the excess length of strap as close as possible to the head of the clamp. Suitable for polyamide 6.6 or polyamide 12 cable ties.



Technical specifications:

- + Handle material: Unsheathed
- + Collar clip

Product Advantages:

- + Tightening and cutting the collar

PN	Description
1860	Tensioner

304 stainless steel cable ties

These 304 stainless steel clamps are ideal for indoor and outdoor use, even in corrosive atmospheres.



Technical specifications:

- + For telecom applications
- + Operating temperature: -80°C to 540°C
- + Tensile strength: 45.3kg
- + Quantity: 100

Product Advantages:

- + Ball lock for self-locking, a low insertion
- + High resistance to tearing
- + Quick and easy to fit

PN	Description	Color	Packaging
3749	201 x 4.6mm	Stainless steel	Box of 100
3750	520 x 4.6mm		

Stainless steel tensioner

The pliers allow you to tighten the steel ties quickly and cut the excess length as close as possible to the head of the clamp. Suitable for stainless steel cable ties.



Technical specifications:

- + Handle material: Unsheathed
- + Collar clip

Product Advantages:

- + Quick and easy collar tightening and disconnection

PN	Description
3763	Stainless steel tensioner

SERFLEX



Serflex endless perforated band

SERFLEX's endless perforated band can be used to make clamps of any length. Easy to use thanks to their reel, the clamps must be closed with the appropriate SERFLEX stainless steel heads. They are ideal for fixing and securing equipment on masts and towers.

Product Advantages:

- + Easy to maintain: serflex clamps are designed to be easily loosened and retightened



PN	Class	Bandwidth	Length
5647	W4 - ASI 304 steel	8mm	25m
12803	W4 - ASI 304 steel	13mm	25m

SERFLEX heads

SERFLEX stainless steel screw



PN	Description
5648	Stainless steel screw Serflex W4 for endless belt width 8mm
12804	Stainless steel screw Serflex W4 for endless belt width 13mm



A global offer for telecom networks

FIXED - MOBILE - PRIVATE - DATA CENTRE



ENERGY CABLE CONNECTORS AND ACCESSORIES

Tape

Black Self-Amalgamating Tape

This tape is designed for splicing, joining, and repairing a wide range of electrical cables up to 46kV. It ensures the sealing of polyethylene sheaths on buried and overhead telephone cables.



Product Advantages:

- + Thickness: 0.50mm
- + Break Strength: 10.0 N / 10mm
- + Volume Resistivity: 1.5×10^{13} Ohm-m
- + Elongation at Break: 900%
- + Dielectric Strength: 42kV/mm

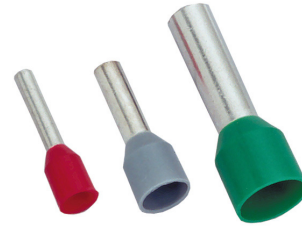
Technical specifications:

- + Fuses into a homogeneous mass without air bubbles
- + Homogeneous insulation, free of voids, requiring no pressure or heat
- + Compatible with all rubber or plastic insulation cables (polyethylene, ethylene propylene rubber, PVC, butyl, and neoprene)
- + Material: PIB rubber (Polyisobutylene)

PN	Description	Dimensions	Condt
0431	Self-amalgamating tape black	25mm x 10m	1
7990	black	50mm x 10m	1

Cable terminals

Cable terminals



PN	Description	Color	Conditionnement
18896	Cable terminal 1.5mm ²	Black	Box of 100
18897	Cable terminal 2.5mm ²	Black	
20134	Cable terminal 4mm ²	Orange	
20135	Cable terminal 6mm ²	Green	
20130	Cable terminal 10mm ²	Brown	
20131	Cable terminal 16mm ²	Beige	



Find the cable terminal crimping tools on page 23

Crimps

Bare brass rolled crimps DIN 4623




PN	Dimensions	Terminal	Terminal	PN	Dimensions	Terminal	Terminal
17566	16mm ²	M8	100	17572	35mm ²	M8	100
17564	16mm ²	M10	100	17570	35mm ²	M10	100
17565	16mm ²	M12	100	17571	35mm ²	M12	100
17569	25mm ²	M8	100	17575	50mm ²	M8	100
17567	25mm ²	M10	100	17573	50mm ²	M10	100
17568	25mm ²	M12	100	17574	50mm ²	M12	100

Marking sleeves



Technical specifications:

- + Material: Polychloroprene rubber, quality 3490
- + Operating temperature: -30 to +90°C (+110°C peak)
- + Shore A hardness: 40 ±5
- + Break strength: >6.5MPa
- + Elongation at break: >500%
- + Tear resistance: >10kN/m
- + Dielectric strength: >13kV/mm
- + Transverse resistivity: 4x10¹⁰Ω.cm
- + Fire resistance: V0 UL94
- + Lubricated sleeves: up to type A4
- + Available colors 

Type	∅ wire	Length	± Inner	Wall
A0	1.25-2mm	20mm	1.25mm	0.5mm
A1	1.75-3.5mm	20mm	1.75mm	0.5mm
A1bis	2.4-4.5mm	20mm	2.4mm	0.6mm
A1K	2.5-5.5mm	25mm	2.5mm	0.9mm
A2	3-6mm	25mm	3mm	0.6mm
A2K	4-8mm	30mm	4mm	1.2mm
A3	5-9mm	25mm	5mm	0.7mm
A4	7.5-12mm	30mm	7.5mm	0.8mm
A5	10-15mm	35mm	10mm	0.9mm
A8	12-20mm	50mm	12mm	1.2mm
A9	14-23mm	50mm	14mm	1.3mm
A10	17-28mm	50mm	17mm	1.3mm

Crimping Tools

Crimping tools KY1 and KY3



PN	Description	Sleeves
20944	Crimping tool KY1	A0 - A1 - A1bis
6430	Crimping tool KY3	A2-A2K-A3-A4-A5



Find all our sleeve references at [telenco.com](https://www.telenco.com)

TED[®]

Technical
Efficient
Durable

The TED[®] brand is the result of Telenco's commitment to improve engineer's working conditions.

By offering solutions with an unprecedented quality/price ratio on the telecommunications market, we equip engineers with equipment adapted to their needs!

PPE and
Safety



Underground
Deployment



Marking and
Identification



Test and
Measurement





CONCEPTION & DESIGN

100% by Telenco

The technical and business knowledge of our product managers and the telecom expertise of our design office makes it possible to develop products that fulfil the field issues.



CO-DEVELOPMENT

with specialist manufacturers

Industrial know-how combined with the market expertise of our product managers makes it possible to create new products adapted for engineers.

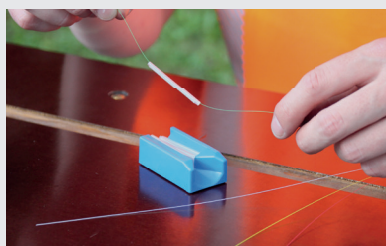
Discover TED[®] the brand dedicated to engineers.

Innovative solutions to support engineers

Launched in 2014, TED[®] is a brand developed by Telenco with dedicated equipment for telecom engineers. It provides daily support technical teams during implementation and maintenance operations of telecommunications networks (FTTx/LAN/DATACENTER).



> Technical



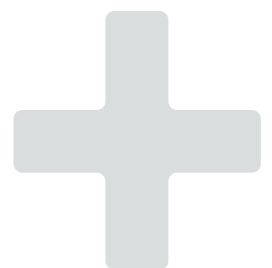
> Efficient



> Durable

TED⁺

Each TED^{®+} product is designed with and for telecom professionals, to provide ergonomic added value that enhances the comfort and safety of every engineer, while controlling costs. The genesis of many of our innovations comes from a combination of creative ideas and experience in the field.



TELENCO: INNOVATION AT THE SERVICE OF WORLDWIDE NETWORKS

Telenco is a group of entities specialised in the design, manufacture and global marketing of future-proof solutions for telecom and connectivity infrastructures. Since 1999, the Group has organised its business activity on offering innovative solutions meeting the field challenges of each specific market.

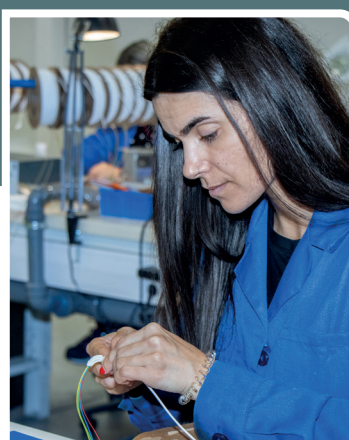
A PROVEN EXPERTISE

DESIGN



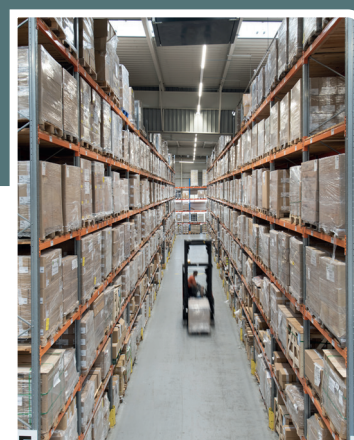
Over **25 years**
of R&D expertise and
an integrated test laboratory

MANUFACTURE



18 000 m²
of production units
in Europe and Tunisia

LOGISTICS



27 000 m²
of storage area
in the world

OUR INDUSTRIAL KNOW-HOW AT THE HEART OF EXPERT TELECOM ORGANISATIONS

Member of ARCEP
expert committee



AN OFFER ADAPTED TO WOLDWIDE NETWORKS AND LOCAL TECHNICAL SUPPORT



Approved exporter
 Customs and international transport expertise

A RESPONSIBLE & SUSTAINABLE GROUP

Design, produce, and act responsibly

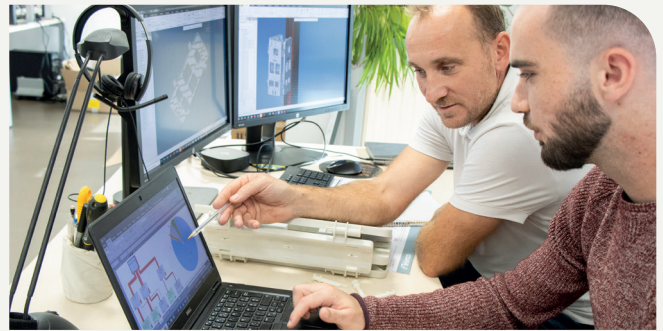


DESIGNER OF FUTURE-PROOF AND RELIABLE SOLUTIONS FOR TELECOMMUNICATIONS NETWORKS

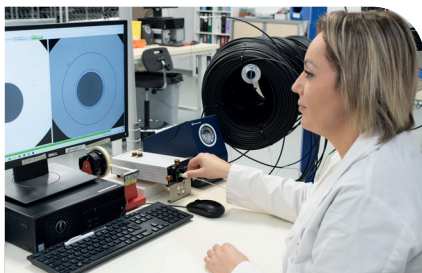
The Telenco Group has an integrated value chain with the design, production, qualification and distribution of its products. Telenco's expertise and investment in Research and Development have been proven, with the design of innovations that are recognised in the telecommunications market. The Group has its own production units in production units in France, Portugal, Tunisia, Germany and the United Kingdom.

4 RESEARCH & DEVELOPMENT CENTRES

Based in France (Moirans, Evreux), Belgium (Bruxelles) and in the United Kingdom (St Helens), our design offices, which are experts in the fields of metallurgy, plastics processings, mechanical engineering, optics and design, develop products with a pragmatic approach that enables us to meet the challenges of the most diverse fields.



INTEGRATED TEST LABORATORIES FOR SYSTEMATIC PRODUCT QUALIFICATION



Optical laboratory



Mechanical laboratory



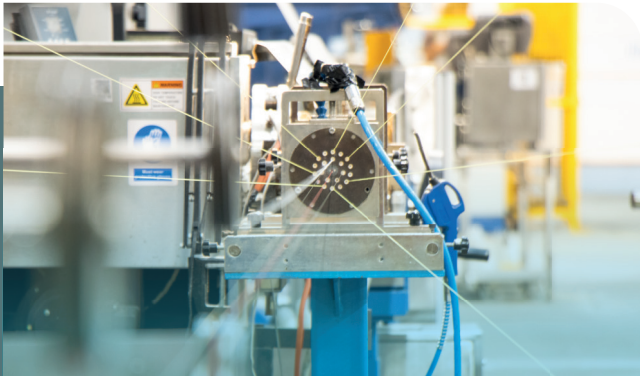
Climatic chamber

The integrated test laboratories enable product qualification and testing to be carried out in-house. The Group is equipped with the latest technology (wind vibration bench, high-frequency 4kHz power meter for vibration tests, extensometer, etc.) for accurate results, guaranteeing the efficiency and durability of the product on the network.

Telenco also works with a network of accredited external laboratories if it is necessary to carry out specific tests (salt spray, for example) or to obtain CPR accreditation.

EXPERTISE IN MANUFACTURING PROCESSES AT OUR 6 PLANTS

The Group Operations Department ensures that all the products leaving our production units meet the same quality and performance requirements, whatever their speciality:



CABLE EXTRUSION



OPTICAL CONNECTORISATION



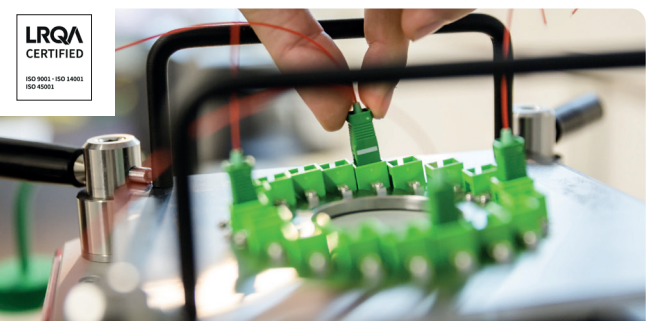
METAL WORK
(laser cutting, forming, welding, painting)



MECHANICAL AND OPTICAL ASSEMBLY

A CERTIFIED MANUFACTURER

In our constant quest for quality, we ensure to offer you products that meet your expectations, tested and validated in our laboratories. (ici il manque le point en version FR) The CE marking of a product is the guarantee that it meets the requirements defined by the European Union and can circulate freely on the market.





Contact our teams!

Telenco

ZA Valmorge
Rue Séraphin Martin
38430 Moirans

+33 4 76 35 00 15

sales@telenco.com

www.telenco.com

Telenco UK

Unit 3 Westerngate
Langley Road
Swindon SN5 5WN

+44 1793 848 123

sales.uk@telenco.com

www.telenco.uk

Telenco GmbH

SKM Skyline GmbH
Ammerthalstrasse 30
85551 Kirchheim-Heimstetten

+49 89 431982-0

info.germany@telenco.com

www.telenco.de

Telenco LATAM

Avenida Insurgentes Sur 427
Piso 11, Colonia Hipódromo,
06100, CDMX-México

+52 55 5025 3962

ventas@telenco.com

www.telenco-latam.com

Telenco Sénégal

HLM Grand Yoff
DAKAR Lot 2

+221 33 827 57 76

sales@telenco.com

www.telenco.com

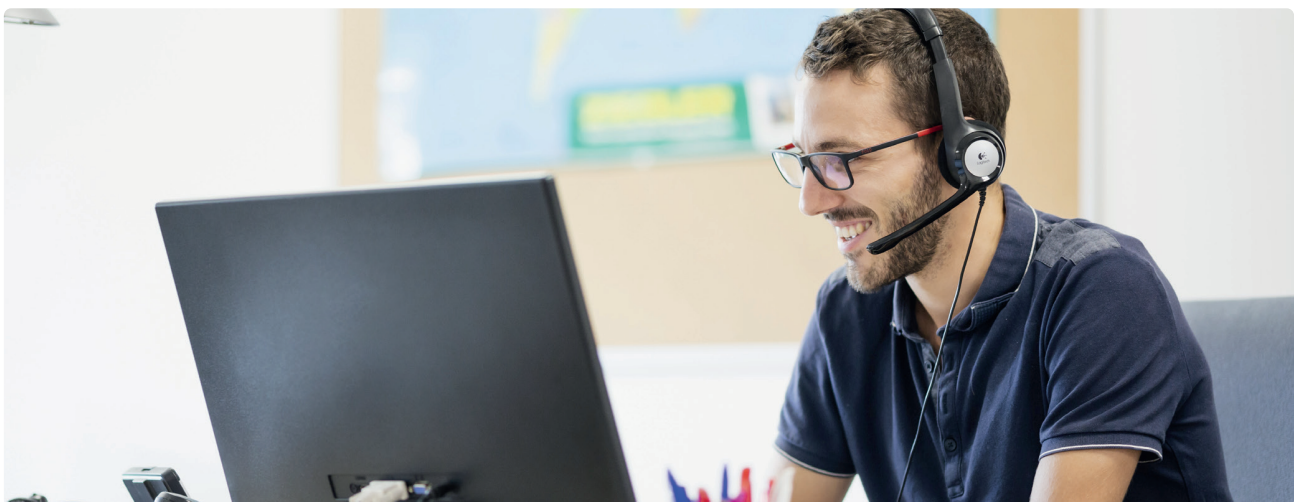
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Jonquet - Cotonou
(Bénin)

+229 41 31 31 98

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