

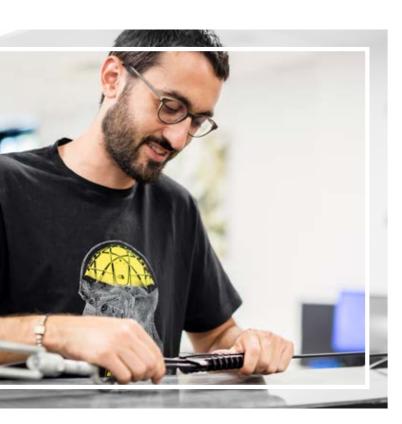
ANCHORING & SUSPENSION



EXPERT OF PASSIVE NETWORK EQUIPMENT

Telenco networks is a major player in the telecommunications industry. Since 1999, the company provides telecom solutions for fibre optic and copper network roll-outs to Telcos and theirs subcontractors. From design to manufacture and shipping, Telenco networks ensures the shortest possible delays to its customers from all across the world.





Designing bespoke solutions

Telenco networks' R&D division benefits of over 20 years of experience in the telecommunications industry. Our engineers inspire from the field technicians' challenges to develop innovative connectivity solutions for FTTH infrastructures. To meet all network configurations, our products are available in comprehensive ranges. Ergonomics, efficiency and scalability are the key criteria for Telenco networks' products, providing for optimal performances and meeting the most demanding requirements.

European manufacture

To offer reliable and durable fibre optic and copper connectivity solutions, Telenco networks relies on its own production units based in France and in Portugal. Our teams master the manufacturing process. From procurement to production and quality control, Telenco networks endeavours to ensure the shortest possible manufacturing and delivery times, whether for small manufacturing volumes or mass production.

Proven logistics

As an Approved Exporter (AE), the import-export processes have no secrets for Telenco networks' logistics teams. Our ability to master incoterms allows us to support customers and suppliers as well as to guarantee industry-leading delivery times. In 2020, our logistics flow was of 20000 tons, exported and imported to and from over 70 countries.

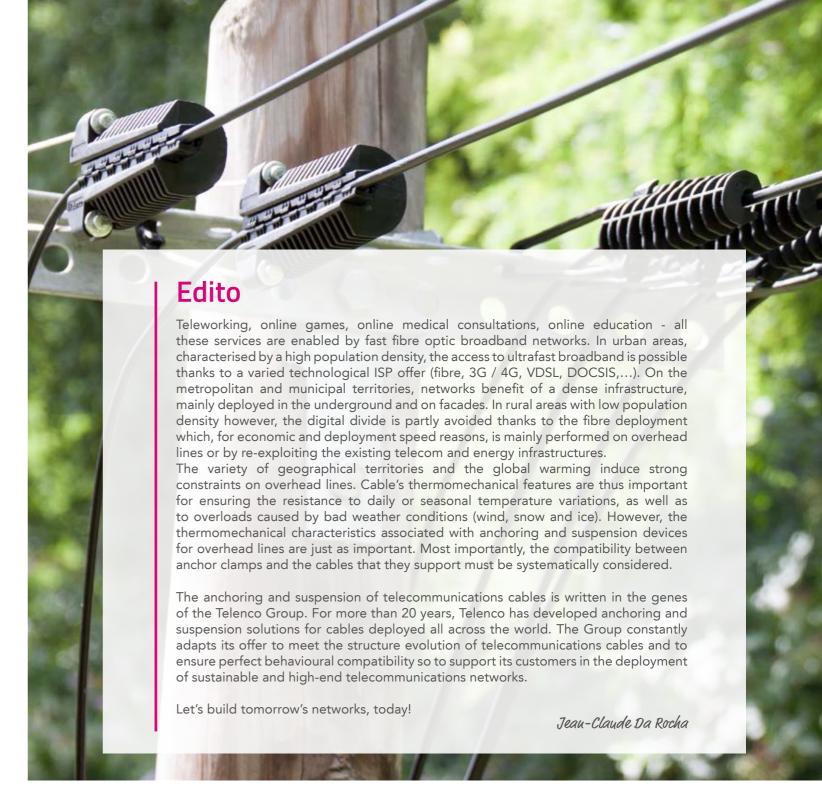
A controlled industrial process

Constantly seeking quality, Telenco networks endeavours to offer its customers products that meet their expectations, tested and validated by experts. The ISO 9001 certification guarantees the efficiency of the organisation.

Telenco networks' equipment is engineered to withstand the specific climatic conditions of each territory. Developed by our design office, Telenco® clamps, helical-dead ends and anchoring and suspension devices are assembled in our own European production units. Before releasing new products on the market, our experts conduct rigorous tensile, corrosion, vibration and climatic ageing tests. This helps us to provide reliable network equipment, offering excellent mechanical performances and complying with international standards in force.



anchoring clamps assembled in 2019



Network installers and design offices will find in this brochure technical information about overhead cable deployment, as well as guidelines for selecting the most suitable anchoring and suspension devices for the chosen cables based on:

- Anchor or suspension devices deployment conditions (RADAR method)
- Different anchoring and suspension technologies, their benefits and inconveniences

Next, you will find guidance on how to choose the right suspension or anchoring solution, among all Telenco® offer, for each type of cable (round, figure-8, flat) and which selection criteria to consider.

Ultimately, we focus our technical prescriptions on anchoring solutions for drop cables.

Technical documentation is at your disposal on

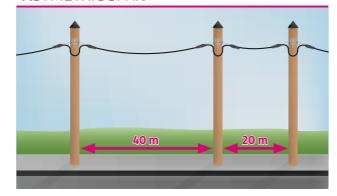
Making the right equipment choice: THE RADAR METHOD

We suggest you to use the following RADAR method. This consists into considering 5 essential criteria: the overhead line layout and typology, the span length, the topography and the alignment segmentation. As a general rule, anchoring clamps or helical dead-ends can be used on all type of poles for securing a cable at the required horizontal tensioning and height. Suspension devices however have to be installed on intermediate poles: they maintain a cable at the correct height (vertical resistance).

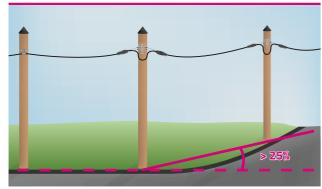
	Anchoring	Suspension
ROAD CROSSING	Yes	No
ASYMETRIC SPAN	Yes	No
DEVIATION	Angle >25°	Angle <25°
ALIGNMENT SEGMENTATION	Every 5 poles	Up to 4 poles
RUGGED TERRAIN	Yes	No

ROAD CROSSING

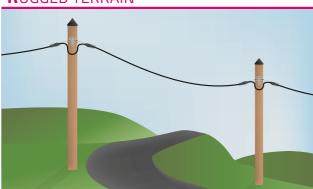
ASYMETRIC SPAN



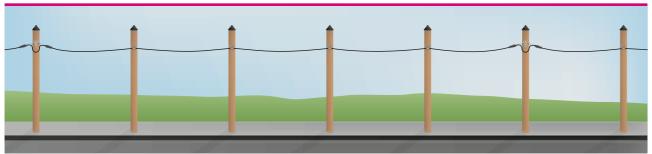
DEVIATION



RUGGED TERRAIN



ALIGNMENT SEGMENTATION



HIGH-END TECHNOLOGIES FOR SECURING OVERHEAD LINES

ANCHORING APPLICATIONS



CONICAL CLAMPING. The principle of this technology is simple: the more we pull on the cable, the more the cable tightens into the clamp. Provides for quick, toolless installation and an easy cable sag adjustement. Enables to absorb vibrations and create offsets from the support. Compatibility: round cables with FRP rods or figure-8 cables with steel or dielectric messengers (spans up to 180m).

MANDREL DEVICES. This technology consists into self-tightening the cable around the mandrel. This preserves cables of piston effects for all type of spans. Enables quick, easy and toolless installation, as well as simple sag adjustement. Especially recommended for small diameter cables built without FRP rods and/or a non-dense outer sheath.





WEDGE CLAMPS. Solution based on a wedge design ensuring an enhanced adaptation to the cable as well as an efficient cable grip. Compatibility: round, flat fibre optic and copper cables. For round optical cables with rigid insulation, an improved derived technology materialised in clamps with envelopping wedges is more suitable. Indeed, it preserves all the functional characteristics of the cable in case of overload.

HELICAL DEAD-ENDS. Thanks to a wide contact surface with the cable, this technology is suitable for maintaining round cables rolled out on long spans (up to 250m) and in difficult installation conditions. Discreet, they require however additional accessories and a greater installation time than conical clamping devices.



SUSPENSION APPLICATIONS



J HOOK SUSPENSION CLAMPS. This technology enables the deployment of a cable on several consecutive poles without using intermediate pulleys. Installation on cross-arms (fixed suspensions) or poles (fixed and mobile suspension applications).

SHELL BODY SUSPENSIONS. Compatible with round or flat cables, suspension clamps offering a hinged body shell design can be installed on all type of poles.



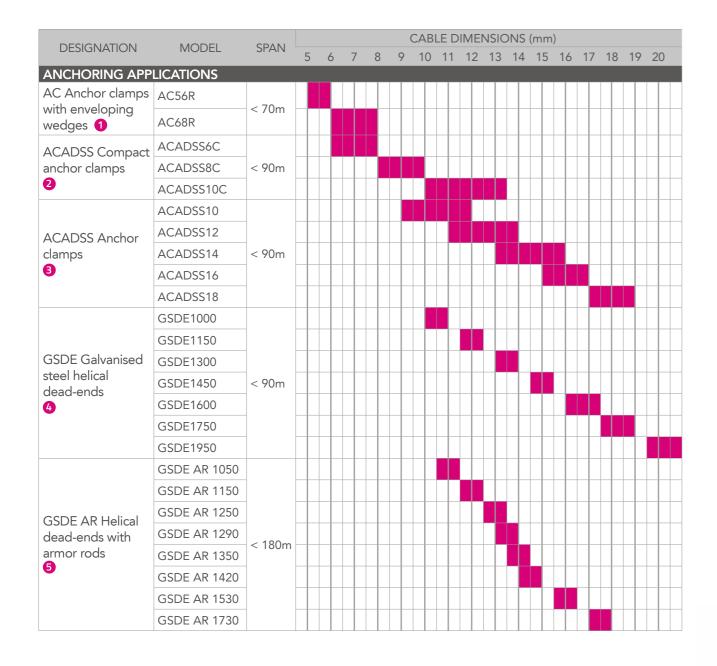


SUSPENSION GROOVED PADS. This technology is used for figure-8 cables with steel or dielectric messenger. Designed with two grooves to adapt to different messenger diameters. Available for fixed or mobile suspension applications.

SOLUTIONS FOR ROUND CABLES

The Telenco® anchor, drop clamps and helical dead-ends are engineered to meet all termination needs within the FTTH feeder and distribution networks.

Discover the most appropriate solution for your network deployment in the table below. It summarises the correspondance between a Telenco® product and the allowable round cable diameter range and span length.





ACADSS Compact anchor clamps 2

These compact anchor clamps enable dead-ending applications of round ADSS optical cables on distribution networks with spans up to 90 meters. Telenco® ACADSS compact anchor clamps present an open conical body forming a jaw with two plastic wedges designed to perfectly fit onto the cable so to offer an excellent grip. A flexible bail equipped with a thimble eases the clamp installation on all type of pole hardware.

- Cable grip on 165mm section length
- Fast and toolless installation with zero bend radius

AC Anchor clamps with enveloping wedges 1

Telenco® AC range of anchor clamps with enveloping wedges are used for the dead-ending of FTTH cables on poles or facades. Engineered with tighter fit wedges, AC anchor clamps preserve all the



functional characteristics of the cable in case of overload. Designed with open conical body, a jaw with two plastic wedges and an insulated flexible stainless steel bail.

- Especially designed for round ADSS distribution cables
- Preserves the functional characteristics of the cable in case of overload

ACADSS Anchor clamps 3

These clamps are recommended for the dead-ending of fibre optic ADSS cables with HDPE insulation deployed on distribution networks with span configurations up to 90 meters. Thanks to their design based on



conical wedges, Telenco® ACADSS anchor clamps perform an efficient cable grip on 230mm length.

- Simple, fast and toolless installation
- Suits to all field configurations

GSDE Galvanised steel helical dead-ends 4

Made of hot-dip galvanised steel, Telenco® GSDE helical dead-ends are used for fixing ADSS round cables on telecommunications distribution networks characterised by short spans up to 90m. Available in a variety of models to meet a broad range of round cable



- Effective cable grip on a large contact surface
- Cable installation with zero bend radius constraint

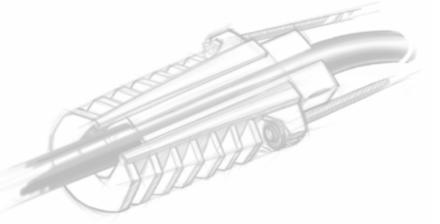
GSDE AR Helical dead-ends with armor rods 6

Helical dead-ends from Telenco® GSDE AR range are used to terminate round ADSS cables on distribution networks with spans up to 180 meters. These spirals consist of two distinctive parts: four protective armor rods that are to be installed on the cable first and the helical dead-



end to attach afterwards onto the armor rod. • Equipped with armor rods for protecting cable against

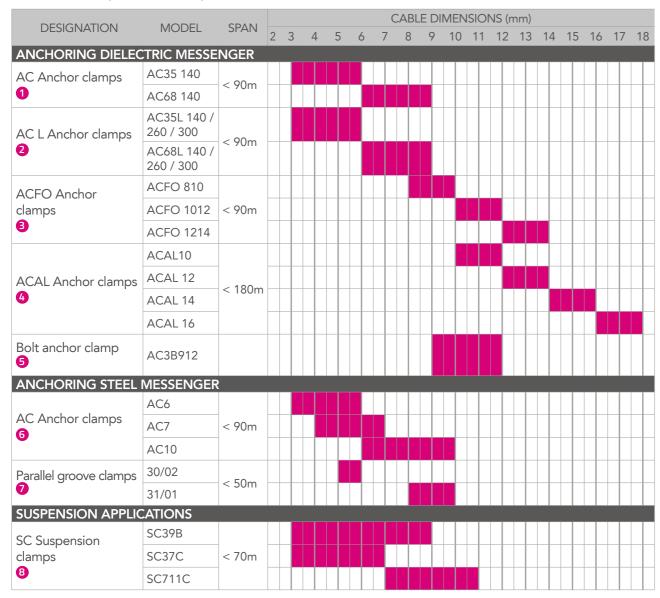




SOLUTIONS FOR FIGURE-8 CABLES

Telenco networks offers a broad range of solutions for the roll-out of figure-8 cables in overhead configurations.

The table below includes Telenco® flagship ranges engineered to enable simple, fast and reliable dead-ending or suspension applications of figure-8 cables with steel or dielectric messenger (FRP). All these product solution ranges have been developed to meet the precise needs of feeder and distribution telecommunications networks.



AC Anchor clamps with compact body 1

The Telenco® AC range includes anchor clamps engineered with compact body and wedges. Thanks to their open conical body forming a jaw with two plastic wedges and a flexible bail, these clamps are designed to



enable effective dead-ending applications of figure-8 cables with steel or dielectric messenger on poles or facades.

- Compact design offering 200daN tensile strength
- Cable clamping on 60mm length

AC L Anchor clamps with long body 2

This range includes product solutions offering an improved tensile strength. Telenco® AC L anchor clamps are designed with long body and wedges. They are recommended for the dead-ending of figure-8



cables with dielectric or steel messengers on distribution networks with spans up to 90m.

- Long body design offering a tensile strength of 300daN
- Cable clamping on 120mm length

ACFO Anchor clamps with reinforced body 3

The ACFO anchor clamp range is engineered for the deadending of aerial figure-8 cables or aerial figure-8 duct structures with FRP messenger. Designed with a fibreglass reinforced thermoplastic conical body, a pair of wedges and a 500mm long stainless steel flexible bail including an insulated thimble.



• Tensile strength: 750daN

The Telenco® AC3B912 clamp

is used for the dead-ending

of aerial figure-8 cables or

aerial figure-8 duct structures

with FRP messenger rolled

out on distribution networks

or medium voltage networks

where spans do not exceed

• Compatible with messenger

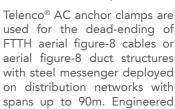
• Designed with flexible bail with 11kV insulator

• Controlled clamping (35Nm² minimum)

Ø from 9 to 12mm

AC3B912 3 Bolt anchor clamp 6







flexible bail and a pair of metallic jaws that perforate the messenger sheaths so to anchor on its steel part when tiahtenina.

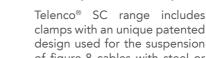
Parallel groove clamps 7

The Telenco® parallel groove clamps with 3 bolts enable the dead-ending of figure-8 copper cables. Hot-dip galvanised steel pole hardware made of two metal plates including 2 grooves and, depending on the



chosen model, 2 or 3 bolts. Its installation also requires the use of a turnbuckle 30/04 and a thimble.

- Cost-effective design
- Available with 2 or 3 bolts, depending on the diameter of the messenger and the required tensile strength



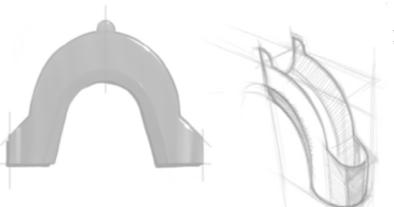
clamps with an unique patented design used for the suspension of figure-8 cables with steel or dielectric insulated messenger on all type of poles (wooden, steel, concrete,...). With straight grooves and a reversible system.

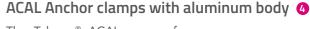


SC clamps are engineered with UV thermoplastic jaws reinforced with two galvanised steel plates and secured by two galvanised steel bolts.

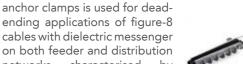
- Unique patented design for a system integration directly
- Full range of articulated* and fixed** suspension

*Articulated versions : SC37C and SC711C









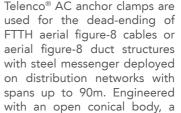


The Telenco® ACAL range of

Aluminum body construction

• Tensile strength: 1200daN

flexible bail of 500mm.





- Effective cable clamping thanks to its specific wedge
- Available in different bail lengths for adapting to every cable's bend radius constraint





solutions

SOLUTIONS FOR FLAT CABLES

For reliable dead-ending or suspension applications of flat optical cables on distribution networks, Telenco networks brings alternative technological solutions.

The table hereafter correlates each Telenco® product solution range with the constraints imposed by the deployed cables and the span lengths specific to every network configuration.

DESIGNATION	MODEL	SPAN	MAXIMUM DIMENSIONS (W X H)
ANCHORING APPLICATIONS			
Hypoclamp Drop clamp	HYPOCLAMP F	< 70m	9 x 4mm
ODWAC XL Drop clamp	ODWAC XL	< 90m	15 x 6mm
5/35 FTTH F Drop wedge clamp for flat drops	5/35 FTTH F	< 70m	7 x 3mm

Hypoclamp F Drop clamp 1

This Telenco® drop clamp is designed with a stainless steel body, a stainless steel shim and plastic wedges with opening and lockable bail at its extremity. The Hypoclamp F is used for the dead-ending



on poles or facades of optical flat cables deployed on distribution networks with spans up to 70m.

- Simple, fast and toolless installation
- Cable clamping with zero bend radius constraint

ODWAC XL Drop clamp 2

This drop clamp is used for the dead-ending of flat fibre optic cables on distribution networks with spans of maximum 90m. All stainless steel, the Telenco® ODWAC XL clamp presents an elongated body including a spacer and a runged lockable by



spacer and a rugged lockable bail. This product solution offers 150daN tensile strength and a 125mm bail length.

- Direct cable installation
- Compatible with most commonly met optical flat cables

5/35 FTTH F Drop wedge clamp for flat drops 3

The Telenco® 5/35 FTTH F drop wedge clamp enables simple or double anchoring applications on optical flat cables rolled-out on distribution networks. The 5/35 FTTH F is a single-piece thermoplastic clamp designed with a conical closed body, a flat-grooved wedge connected to the body through a link that ensures its imperdability and an openable bail.

- Single-piece, cost-effective design
- Manual cable sag adjustement by locking the wedge on its remote position

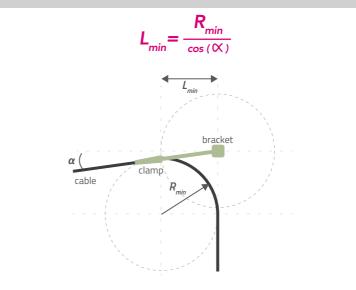


TECHNICAL FOCUS

How to determine the appropriate bail length for your clamp?

A clamp's bail length is directly related to the cable bending performances. The lower the cable bending performance, the shorter the bail length may be. Two configurations have to be distinguished:

SIMPLE ANCHORING



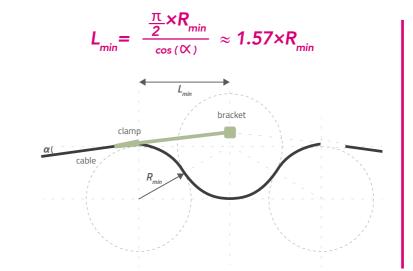
 α is related to the sag, and in case of sag of 1% to 3%, α (α) α 1

Example:

If cable diameter is 5mm and the minimum bending radius is 100mm $(20x\emptyset)$, thus, in this case, it results that the minimum bail length is 100mm.

DOUBLE ANCHORING

Assuming that the angle α due to the ratio cable sag over cable span is minor and cos (α) α 1, the bail length is directly related to the minimum bending radius of the cable and it can be determined by using the following formula:



Example :

If the cable diameter is 8mm and the minimum bending radius is 160mm (20xØ), it results thus that the minimum bail length is:

 $1.57 \times 160 = 251$ mm.

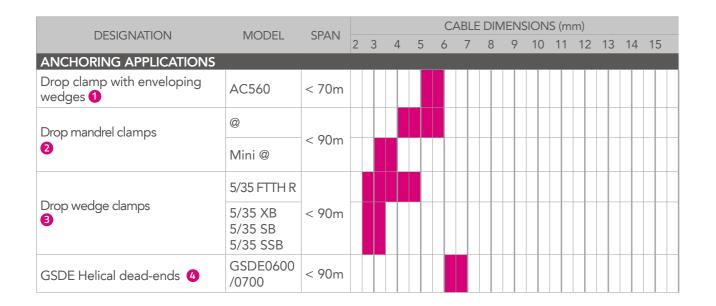
Telenco networks | Anchoring & Suspension | 10 (**)



DEAD-ENDING SOLUTIONS FOR DROP CABLES

To meet the exact constraints of FTTH roll-outs and particularly those of the last mile access, Telenco networks develops innovative ranges of solutions for dead-ending applications.

The table here below reunites all the available solutions for carrying out a reliable and future-proof deployment project. Each solution is developed to best adapt to a specific cable diameter range and span configuration.



Drop clamp with enveloping wedges 1

The Telenco® AC560 drop clamp is used for the deadending of FTTH drop cables on poles or facades with span configurations of up to 70m. Particularly recommended for round drops with rigid



insulation. AC560 drop clamp is engineered with more enveloping wedges for protecting the cable and its functional characteristics in case of overload.

- Effective solution for network densification thanks to a compact body design
- Preserves all the functional characteristics of the cable in case of overload

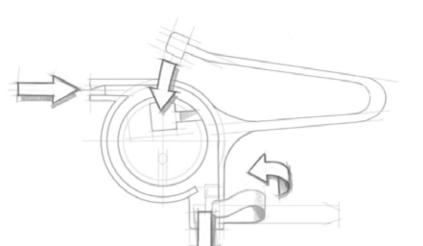


The Telenco® 5/35 range includes drop wedge clamps enabling simple or double anchoring on poles and facades. These one piece thermoplastic clamps are designed with a conical closed body, a grooved



wedge and a link that ensures the wedge's captivity to the body. Range enriched with alternative models to meet different mechanical and environmental constraints. The 5/35 XB model comes with a plastic bail, while the 5/35 SB and 5/35 SSB offers a stainless steel bail.

- Effective cable grip due to the wedging system
- 4 available versions with different bail materials, lengths and shapes





Drop mandrel clamps @ and Mini @ 💈

The AROBASE range has been developed to meet the deployment constraints of FTTH round and flexible drop cables on poles or facades with short spans. @ and Mini @ drop clamps included within this product range are designed with a mandrel body shape in which cable coils and self-tightens. The Mini @ drop clamp is a more compact model including a re-usable cable tie.

- Unique fastening solution for round outdoor drops with insulated and flexible sheath
- Cost-effective, single-piece with compact design

GSDE0600/0700 Galvanised steel helical dead-ends 4

The Telenco® GSDE0600/0700 helical dead-ends present no armor rod and are engineered for enabling the dead-ending of FTTH drops. These galvanised steel spirals are mainly used for the roll-out of drop cables on L



- Excellent cable grip
- Cable installation with zero bend radius constraint



TECHNICAL FOCUS

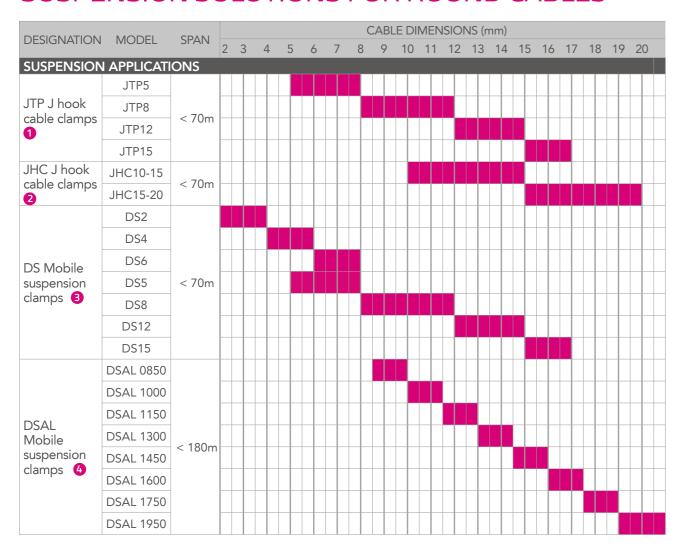
Cable-clamp compatibility for a future-proof network

Considering the sustainability and reliability of the network, it is essential that pole hardware and anchors to be adapted and qualified for the network on which they will be installed. The mechanical connection between the anchor and the cable constitutes therefore an important issue for overhead networks. The compatibility between anchors and cables is checked by carrying out the following qualification tests:

- Tensile tests at the short-term tensile load of the cable (Maximum Allowable Tension) according to EN 60794-1-2 standard modified Method E1 involving a couple of anchoring devices on a cable length greater than 1 meter. There should be no slippage of the cable inside the anchoring clamps, no deterioration of the cable, nor deterioration of the signal (attenuation less than 0.1dB).
- Galloping test for anchor clamps according to EN 60794-1-2 standard Method E1. This consists into applying 10 undulations to cables with a smaller or equal diameter to 6mm (drops), 3 undulations to cables with a greater diameter than 6mm (distribution and feeder cables) and a measurement of optical losses for 300 hours. A test is considered conclusive when registered optical losses are less than 0.1 dB throughout the test.



SUSPENSION SOLUTIONS FOR ROUND CABLES





DS Mobile suspension clamps 3

The Telenco® DS standard clamps are used for the suspension of aerial round cables Ø 5-17mm on intermediate poles used for the roll-out of distribution networks with spans up to 70m. Designed with a hinged plastic shell equipped with an elastomer protective insert and an opening bail, these clamps secure the suspended cable thanks to an integrated bolt tightening system.

DS compact clamps are used for the suspension of lightweight cables Ø 2 to 8mm rolled out on spans up to 70m. The three models composing this range are easily differentiated by the colour of their neoprene already injected into their body. The DS compact clamps secure with 2 built-in clips and a cable tie (included).

- Product solution covering a wide range of round cable
- Increased cable protection against aeolian vibrations

JTP J hook cable clamps 1

Universal solution for pole and cross-arm installation, Telenco® JTP clamp range enables the suspension of aerial round cables on distribution or last mile access networks. Designed with a deported galvanised



steel body including an elastomer protective sleeve, JTP clamps can be used as a fixed or mobile solution and secured with a bolt tightening system.

- Locking system securing cable into the clamp
- One clamp for enabling fixed or mobile suspension and cable unrolling by removing the elastomer sleeve insert

JHC J hook cable clamps 2

Telenco® JHC range is used for the suspension of fibre optic round cables with ADSS structure, Ø 10 to 20mm, deployed on distribution and access networks with spans up to 70m. Depending on the pole



hardware used for their installation, JHC clamps enable fixed or mobile suspension applications. These clamps consist of a galvanised steel J-shaped body including an elastomer protective sleeve and a bolt tightening system.

- J-shape design enables cable unrolling directly into the clamp after removing the elastomer sleeve
- One clamp for fixed or mobile suspension applications

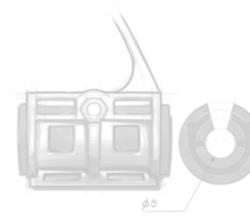
DSAL Mobile suspension clamps 4

The Telenco® DSAL range of suspension clamps have been engineered to meet suspension needs of ADSS cables deployed on MV infrastructures, used for distribution networks roll-outs



with spans up to 180m. DSAL clamps present a hinged aluminum body equipped with an elastomer protective insert and secured by an integrated bolt tightening system.

- Lightweight, yet rugged and compact design
- Broad range of suspension solutions covering cable diameters from 8.5 to 19mm



TECHNICAL FOCUS

Ensuring the utmost quality for all of our products

For the past 20 years, at Telenco networks, the product quality is strictly related to the performance of functional tests. Conducted during the product development phase and the production quality control process, these technical evaluations are spread into 2 groups:

MECHANICAL TESTS:

- Multidirectional tensile tests at room temperature, up to the device breakage. They are performed according to CEI EN 60794-1-2 standard involving dead-ends, suspension devices and a reference cable.
- Tensile strength tests under permanent load with temperature are also carried out. They are generally performed on at least 200 hours, to check material shrinkage and grip performances at low or high temperature.
- Long duration Vibration test. Conditions are specified in the EN 60794-1-2 standard Method E19, on two spans of 40 meters with a reference cable and an optical measurement during at least 300 hours.

ENVIRONMENTAL TESTS:

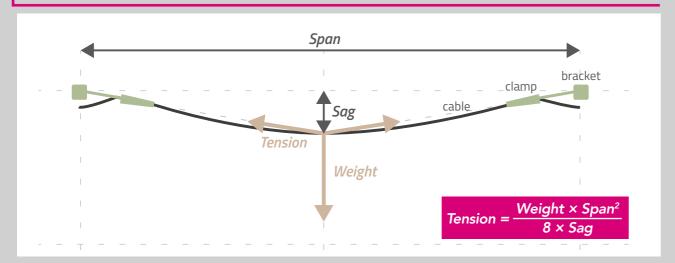
According to CEI EN 50289-4-17, after an exposure of 1000 hours, the UV resistance is evaluated by the variation of the material's characteristics and after a Charpy shock test EN ISO 179-2 on test samples. For hot-dip galvanised products, corrosion resistance is directly related to Zinc thickness, according to EN ISO 1461. Measuring the thicknesses enables to guarantee the corrosion resistance. Stainless steel products are put under a salt spray according to CEI EN 60068-2-11 standard. Mechanical performances and aspects are thus evaluated.

Dielectric withstand tests are also carried out to check the insulation level between the cable and the pole hardware.



Cable tension calculations

Calculation formula for cable tension load



Weight (in kg/m): Apparent weight of one cable meter

Tension (in daN): Calculated tension load applied to the cable and clamp

Span (in m): Distance between two poles

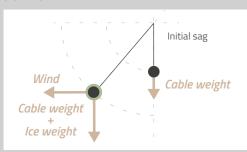
Vertical distance at the center of the span, usually equal to 1% of the span

For example, for a 96 fibre count distribution cable, whose weight is 0.1kg/m, deployed on a 50 meters span with a sag of 1% (0.5 meter), the calculated tension is:

Tension =
$$\frac{0.1 \times 50^2}{8 \times 0.5}$$
 = 62.5daN

Taking into account additional loads caused by bad weather

Bad weather conditions induce additional load on overhead infrastructures. The ice load increases the cable weight as well as the total surface subject to





The above formula takes into consideration weather conditions and their impact. Thus, wind and ice loads are integrated in the apparent cable weight calculation:

apparent weight= $\sqrt{\text{(ice weight + cable weight)}^2+\text{(applied wind force)}^2}$

Cable data is provided by the cable manufacturers, while climatic data can be usually found in national standards for building/ infrastructure. As for example, in the USA, the National Electric Safety Code (NESC) Rule 250B defines 3 regions with typical values for ice thickness, temperature, and wind pressure:

		Temperature	Ice thickness	Wind Pressure
NESC RULE 250B	HEAVY	-18°C	12.7mm	192Pa
	MEDIUM	-10°C	6.35mm	192Pa
	LIGHT	-1°C	0mm	431Pa

A good knowledge of the topographic parameters (span, gradient of the ground) and of the climatic conditions allows to anticipate the loads and the overloads impacting the overhead infrastructure. This is also the best starting point for choosing the right material, cables and clamps, adapted to the considered area for a qualitative and future-proof network.



AT ONE CLICK AWAY!

Telenco networks addresses Telcos and their subcontractors with a useful and practical website, including a wealth of technical information.

Downloadable technical documentation

Technical documentation is directly available and free to download under the product's description. Datasheets and installation instructions will guide you on how to set up and use our network equipment.

Custom FO patch cable configurator

Create your own optical links by selecting a wide range of parameters such as the cable type and diameter, the type of fibre, the fibre count, the cable's length or the type of connectors to be added at each cable end.

3 Equipment list editor

By creating an account within a couple of seconds, you can add the products meeting your project's needs to your equipment list. You can then share the list with your peers or with our commercials to speed up trade.

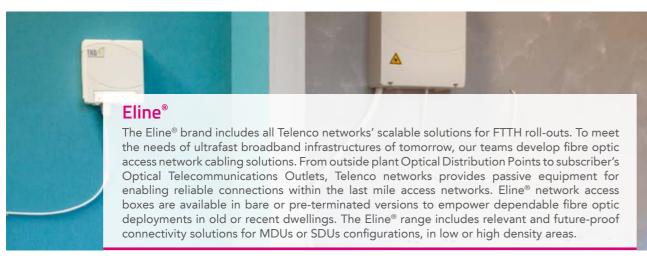


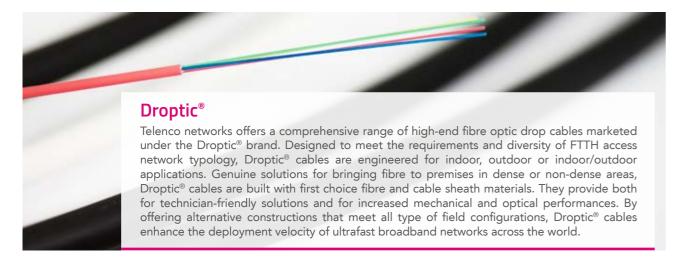
www.telenco-networks.com

INNOVATIVE BRANDS FOR HIGHLY RELIABLE FIBRE ROLL-OUTS

Telenco networks built its reputation in Europe and abroad thanks to its own product brands. With an innovative R&D engineering office, the company brings bespoke solutions for the deployment of fibre optic infrastructures and the maintenance of copper networks since 1999. Through Telenco®, Eline® or Droptic® brands, Telenco networks provides a comprehensive offer of passive network equipment for enhancing reliable and future-proof FTTx deployments. Products designed, manufactured and marketed under these three labels have proven their effectiveness through time and in various installation environments.







TELENCO, A GLOBAL TELECOMMUNICATIONS PLAYER







36% economic growth in 2020

Customer-oriented solutions

Telenco is driven by the ambition to remain competitive through constantly improvement. Understanding customer needs is paramount to our expert teams. To raise the field challenges of fibre optic roll-outs, Telenco teams work relentlessly on providing for the most suitable telecom hardware and connectivity solutions. In accordance with international standards, Telenco products are engineered as rugged and reliable solutions for the ultrafast broadband networks of tomorrow.





Committed to a sustainable development

Telenco cares to build a sustainable tomorrow. The group has obtained the Gold recognition from EcoVadis. This certifies an Advanced level of our CSR performance. Through concrete actions, Telenco is ensuring:

- its economic viability through encouraging a sound and sustainable management. For this effect, all Telenco employees agreed to respect their Code of Ethical Conduct.
- the preservation of environment and its resources by reducing at most its ecological footprint. We anticipate our products' life cycles and ensure a responsible production through selecting only energy efficient materials.
- the promotion of equal opportunities. To encourage social inclusion, Telenco supports ESAT structures (service centers helping underprivileged people to reinsert the society through work).

Telenco at the core of expert telecom organisations

Member of ARCEP expert committee

















DISCOVER ALL OUR SOLUTIONS







