

## Measure tension on FO Cables

Pulling • Installing • Maintenance

CableSafe and CableSafe-WD in stock



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Part No: SU6504 - 2789577

## Fibre Optic Cable Handling



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# Storage onto master reel



## Fibre Optic Cable Handling.

Fibre optic cables are sensitive to damage during shipping, handling and installation.

To protect the FO cable it is stored on reels to decrease the probability of damage. Damage by excess tension can degrade the cable, it will then need to be replaced.

If handling is not carried out correctly, the drum and in turn, the cable could be damaged, and this may not be discovered until the installation process. Pulling FO cable above its rated tension will cause damage. Measuring tension as it's pulled through the system guarding against fractures or elongation is extremely important and will avoid costly replacements.

For most, FO cables there is a maximum tension of 600lbs or 272kg and some even less.

To protect your FO cable, a Crosby Straightpoint CableSafe is the perfect solution. Cut down on time and expense with manual tension monitoring when normally using a capstan winch.

Measure and monitor tension accurately and at speed with the option to datalog and produce a report that tension never exceeded the maximum.

When using a capstan winch to unwind electrical cable from a reel/spool, you will be able to integrate the CableSafe within this setup to ensure that it is being pulled at a safe tension level. This helps the line maintain its transmissions capability, prevent it becoming a fire hazard risk, and it also stops the need of furthering work in order to remove and replace it. The contractor is gifted with decreased liability and dramatically increased peace of mind, using CableSafe on cable pulls reduces liabilities on cable installations.

## CableSafe

The CableSafe is a lightweight tensiometer dynamometer designed for measuring the tension on electrical fibre optic cables and synthetic rope.

Compatible with a wide range and with cable diameters – 5/32" - 1-3/16" or 4-30mm.

When used in the field, it will allow the user to monitor tension with exceedingly high levels of accuracy, which ensures that cables do not become overstretched or break.

Connection is via Crosby SP's wireless Bluetooth Android or iOS free HHP App. This has a range of 328ft or 100m.

Once you are connected, the simple and easy to use interface will allow you to use it with utmost efficiency. There are up to four different measurement units to choose from, depending on your preferences within your project. If you need to monitor the peak load measurement there is a 'Peak Hold' button you can select to only display the highest measurement from the SP device on-screen.

Accompanying this is an option to set an audible alarm to sound when a new high or low measurement value is detected so you know exactly when this has occurred.

The app also has a record and log feature for when you need to record a particular measurement for later referral. Once logged to the app it will then allow you the convenience of exporting the details of the logged measurement(s) either to your mobile device or send it to a particular email address, in a spreadsheet format.

What distinguishes it apart from previous versions of this type is the developed lightweight design that allows for easy transportation and usage. It also provides up to 500 hours of battery life so that you can be assured that it won't lose power before your workday has ended. The high-level IP67/NEMA6 ingress protection allows the product to be used in a variety of heavy weather conditions and dusty environments. These features, as a collective, means that it will be an invaluable and reliable tool.

Fully constructed from light and durable brushed Anodised Aluminium

Five-wheel design, improving accuracy (clear anodised)

Linchpins are fitted to the top sheave pins, making cable or synthetic rope installation quick and simple

Easy to install and replace batteries (AA Standard Alkaline)

Environmental protection IP67 or NEMA6

Non-corrosive mounting feet

Compatible with a wide range of synthetic ropes and electrical cables with diameters of 4-30mm. Rapid tension force measurement up to 600m per minute

