

MINOROC®

VERY HIGH TENSILE STRENGTH
SYNTHETIC CABLES



EXCELLENT MECHANICAL RESISTANCE

EXCEPTIONAL BREAKING LOAD
MINIMUM BREAKING ELONGATION

FLEXIBLE, LIGHTWEIGHT AND EASY TO HANDLE

UV AND BAD WEATHER RESISTANCE

MINOROC® P

POLYESTER FIBRES

Breaking load
up to 3,500 daN



MINOROC® K

ARAMID FIBRES

Breaking load
up to 6,000 daN



CABLES FOR GLOBAL
PERFORMANCE

MINOROC®

VERY HIGH TENSILE STRENGTH SYNTHETIC CABLES

PRODUCT DESCRIPTION

Central core	Synthetic polyester fibres (MINOROC® P) Synthetic aramid fibres (MINOROC® K)
Sheath	Special thermoplastic
Diameter range	Ø 3 / 5 / 7 / 9 / 11 / 13.5 mm (MINOROC® P) Ø 5 / 7 / 9 / 11 mm (MINOROC® K)

MECHANICAL CHARACTERISTICS

Reference MINOROC®	P	K
Tensile strength	●●○	●●●
Low elongation	●●○	●●●
Abrasion and wear resistance	●●●	●●●
Alternate bending resistance	●●○	○○○
Flexible and easy to handle	●●●	●●●

○○○ Poor ●●○ Good ●●● Very good ●●● Excellent

ELECTRICAL CHARACTERISTICS

Non-conducting and non-magnetic
Lightning resistance 20 kV

THERMAL CHARACTERISTICS

Operating temperature
MINOROC® P -40°C to 55°C
MINOROC® K -40°C to 80°C

CHEMICAL CHARACTERISTICS

Damp and chemical corrosion resistance
(hydrocarbons, oils, detergents, solvents, acids, etc.)

OUTSIDE USE

Resistant to bad weather
Resistant to UV
Frost does not stick to the sheath

MINOROC® are synthetic fibre cables (aramid and polyester) with excellent tensile strength. Our engineers have taken several years in research and development to design these small cables, yet with exceptional tensile strength.

The major innovation of **MINOROC®** cables lies in their ability to combine the solidity of steel pulling cables and the flexibility of textile ropes. The exceptional technical advantages of these cables - excellent tensile strength, excellent abrasion resistance, low elongation, lightweight, flexible and easy to handle - , means that they can be used in many applications:

- ✓ Cable-stays for antenna and pylons
- ✓ Mooring line
- ✓ Anti-intrusion protection rope system
- ✓ Tramway catenary
- ✓ Suspension cable for public lighting
- ✓ Garage door, skylights
- ✓ Chimney stays, etc.

To ensure optimum effectiveness on installation, our engineers have designed stainless steel or aluminium **bi-cone terminations**. These highlyingenious systems allow simple and fast connection to the **MINOROC®** traction cables whilst maintaining their exceptional mechanical properties.

MECHANICAL PROPERTIES

MINOROC® P	Ø 3 mm	Ø 5 mm	Ø 7 mm	Ø 9 mm	Ø 11 mm	Ø 13.5 mm
Breaking load (daN)	150	500	1 000	1 500	2 000	3 500
Breaking elongation (%)	9.5	9.5	10	10	12	12
Linear weight (kg/km)	8	22	42	67	83	108

MINOROC® K	Ø 5 mm	Ø 7 mm	Ø 9 mm	Ø 11 mm
Breaking load (daN)	1 060	1 500	4 500	6 000
Breaking elongation (%)	3.0	3.0	3.0	3.0
Linear Weight (kg/km)	24	44	71	86

✓ **Contact us to define with our sales engineers the product best suited to your application.**

OUR TERMINATION SYSTEMS (OPTIONAL)

Bi-cone terminations

The stainless steel or aluminium **bi-cone terminations** have been designed to make installation on site easier. The system is attached to the **MINOROC®** cables without difficulty, whilst ensuring an extremely solid fit.

Each **MINOROC® K** and **P** has a termination model specific to it (optional, delivered separately from the cable).

For further information on termination connection, we suggest that you download the assembly instructions at www.cables-cgp.com

**FLEXIBLE SOLUTION
EASY INSTALLATION**



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