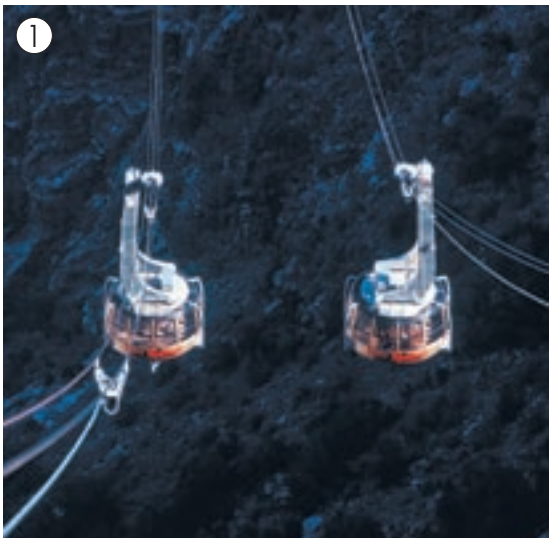

People who rely on INTEGRA wire rope...

1 Palm Springs: USA
2 Samnaun: Switzerland
3 Zugspitze: Austria
4 St.Moritz: Switzerland
5 Kitzbühel: Austria
6 Arlberg: Austria
7 Zermatt: Switzerland

FATZER®

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BRUGG MEMBER OF THE BRUGG GROUP SWITZERLAND

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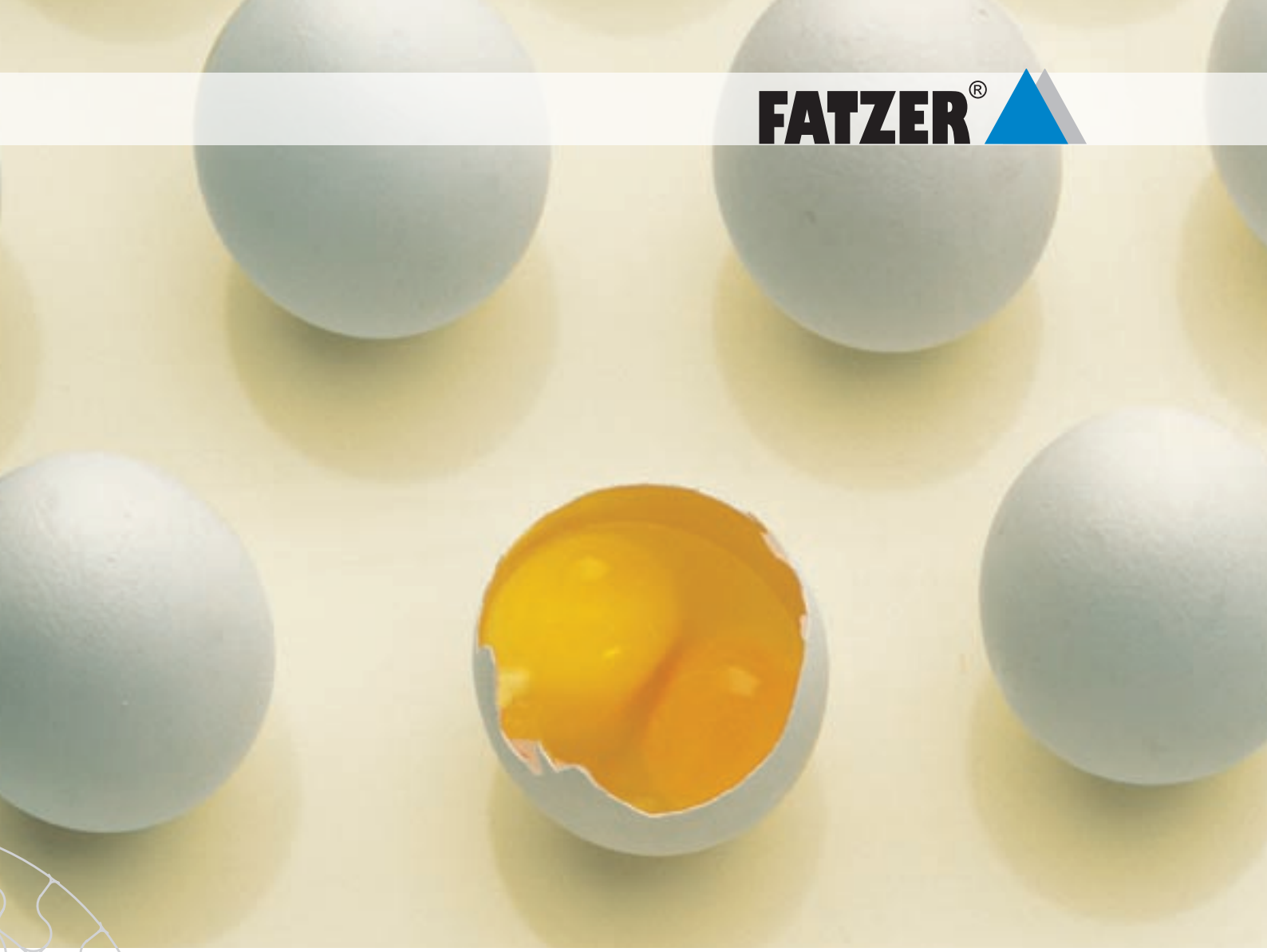
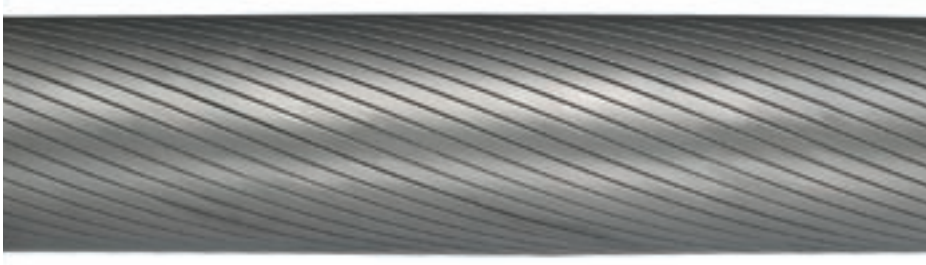


There's more in it than meets the eye...



INTEGRA®

Lock-coil wire rope. Also available with integrated conductors or fibre-optics.

INTEGRA wire rope: their inner values clearly distinguish them from the rest.

Our full or half-lock coil wire ropes enjoy an excellent reputation worldwide – for three reasons: firstly, we not only deliver them in conventional design, but also with «twisted» lock wires; secondly, we only use profile wires with the tightest shape tolerances and with high gauge accuracy; thirdly, we have developed a technology with which we can integrate electrical conductors or fibre-optics into the core of the wire rope.

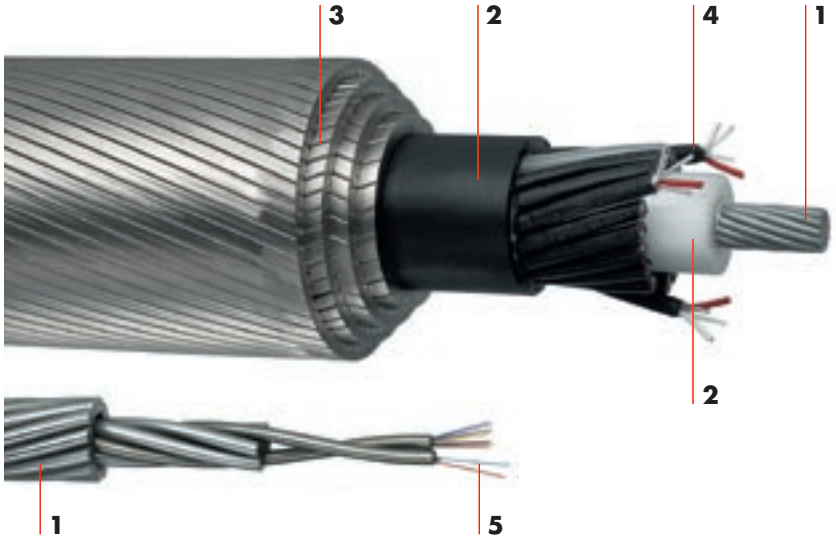
Twisted wire ropes are torque-relieved. And safer...

With the profile wires preformed (twisted) to their subsequent helical orientation in the rope bond, before stranding, an end product is obtained that is absolutely free from torquing. The wire rope can therefore be pulled in without risk – and without any demanding and complicated rope guidance – and the risk of a damaging change to the wire rope's geometry is thereby reduced to a minimum. And there is also an additional safety aspect: in the – unlikely – case of eventual wire breakage, would the ends of the wire remain within the wire rope bond, and would not protrude dangerously.

Wire ropes that can transmit data? INTEGRA!

The BRUGG Group, to which our company belongs, manufactures telecommunication cables and fibre-optics. The idea of «integrating» these into wire ropes for ropeways was therefore obvious. In order to guarantee a perfect, error-free and lasting transmission of control signals, pictorial and other digital or analog data despite the strain the wire rope is exposed to, intensive development work was necessary, however. This led to solutions that are technically and economically convincing: where INTEGRA wire rope ensure the connection(s), radio aerials and separate telephone lines are unnecessary.

All the following make part of INTEGRA wire rope:



1) core cable
2) plastic sheathing or round-wire layer(s)
3) profile wire layer(s)
4) low-voltage cable in plastic sheathing
5) fibre-optic conductor, integrated into the steel wire core cable

INTEGRA®

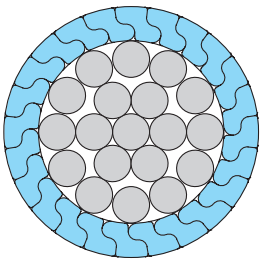
Features of INTEGRA wire rope:

- interior voids filled with conserving lubricant
- torque-relieved in the twisted version
- fast and safe rope-pull
- reliable signal and data transmission

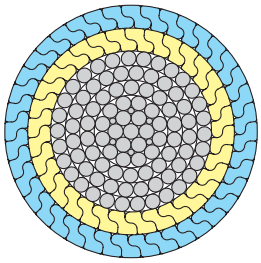
Where INTEGRA wire rope provide a good service:

Fully and half-locked wire ropes find use in an extremely wide range of applications: they have proved themselves as track ropes in passenger and material ropeways, and as hoist and guide ropes in mine hoists. They have also shown themselves to be a good choice in a special field: in many wire rope structures, they take on a supporting role, in the truest sense of the word. Why? Because full lock coil wire ropes can be made corrosion-resistant with appropriate measures (special coating of the wires, filling with conserving agents).

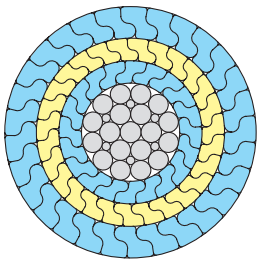
INTEGRA wire rope for passenger ropeways...



1 lock layer
nominal-ø 16 - 45 mm

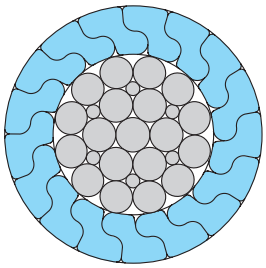


2 lock layers
nominal-ø 28 - 90 mm

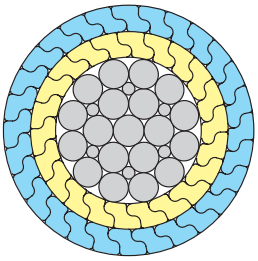


3 and more lock layers
nominal-ø 50 - 91 mm

...and for material transportation installations



1 lock layer
nominal-ø 22 - 44 mm



2 lock layers
nominal-ø 36 - 64 mm

Detailed technical information can be called-up on web site (www.fatzer.com) or can be requested from us directly (phone +41 71 466 81 11, fax +41 71 466 81 10). On request, we will be happy to provide you with our overall catalogue.