

LIFE-LINE CABLES & HOSES

Count on KabelSchlepp when machine reliability and cycle life matter most!



Proper selection of hi-flex cables & hoses is one of the most critically important tasks you will face when designing an effective cable and hose carrier system. Your machine's cycle life and reliability ultimately depend on the choices you make in your sub-component selection process.

Luckily KabelSchlepp has made your job easier with the introduction of LIFE-LINE cables and hoses. Each one has been specially designed for continuous hi-flex cycle life use in dynamic cable and hose carrier systems.

LIFE-LINE's innovative manufacturing process, conductor insulation material KS-TPM, and an insulation resistance of greater than $30\Omega \times \text{km}$ herald a new era of core insulation technology.

KabelSchlepp constantly expands and updates its cable and hose inventory with an increasing product variety of perfectly matched components.

Cables meet TUV, UL, CSA., CE, and DESINA standards and have a $7.5 \times \text{Ø}$ minimum bend radius.

QUANTUM REVOLUTION

KabelSchlepp's patented QUANTUM is a rugged, light weight, fluid and silent carrier system for moving cables and hoses that is ideally suited for factory automation and today's high speed material handling equipment.

Key features are its vibration-free, clean room class one rating and silent running operation. By eliminating the "polygon effect", an industry term used to describe the stepping phenomenon that all conventional link energy chain systems have, KabelSchlepp engineers have developed an absolutely smooth, quiet and ultra-lightweight carrier system.



Steel cables extruded directly into the carrier sidebands significantly increase carrier system tensile strength and can be used to monitor carrier wear

The selection of the polypropylene material and unique milestone QUANTUM design provides extreme lateral flexibility of $\pm 30^\circ$ as well as $\pm 30^\circ$ twisting capabilities, potentially eliminating the need for multiple energy chain link system on multi-axis machinery.



Quantum's lateral movement and twisting capabilities provide an expanded range of application and installation options

In addition, QUANTUM's overall weight is less than half that of any comparably sized traditional link-chain system. Consequently, even during high-speed operating cycles, operating temperatures and wear due to friction as well as related loads on motors are all dramatically reduced. The polypropylene material properties coupled with QUANTUM's distinctive link-less self-cleaning design make it ideally suited for class one clean room and outdoor applications where UV resistance is required. Moreover, QUANTUM's unique design and materials easily accept accelerations of 10 G's and

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TIPS

Try these any of these great websites to find a wealth of engineering resources including comprehensive product data and sourcing, engineering fundamentals, and online engineering tools that make your job easier!

Thomas Register of Manufacturers - <http://www.thomasregister.com>

Renowned database of manufacturers and product sources.

KabelSchlepp.com URL: <http://www.kabelschlepp.com>

A comprehensive resource for cable and hose carrier specifications, design tools, application videos, and convenient online shopping.

efunda URL: <http://www.efunda.com>

Engineering fundamentals, equations, materials, units and more.

iCrank - <http://www.icrank.com/>

A well organized database of mechanical engineering resources and tools.

TURNKEY SYSTEM DESIGN SAVES TIME & MONEY

Let KabelSchlepp save you time, money, and stress by being a single source provider for all your dynamic cable and hose management system needs. Since 1954, KabelSchlepp has been providing complete solutions for protecting and managing moving cables and hoses. When you order a complete turnkey system from KabelSchlepp, you can rest assured that every component has been carefully selected and matched to your specific application.

CARRIER SYSTEMS



Steel or nylon, large or small, KabelSchlepp has a system suited to your application.

CABLES & HOSES



LIFE-LINE hi-flex cables and hoses are the core component of a safe cable carrier system.

ACCESSORIES



Connectors, strain reliefs, guide channels, support trays, brackets and all the other components you need.

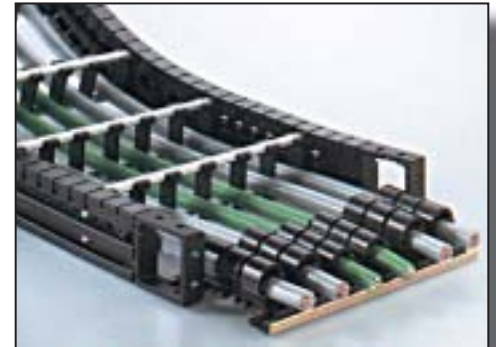
TURNKEY SYSTEMS



KabelSchlepp's turnkey systems reduce inventory costs, engineering efforts, assembly time. Providing security that the job is done right!

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extreme constant operating speeds of 50+fps.



The QUANTUM system incorporates three decades of continually improving and award winning cable and hose carrier cavity technology that was patented and developed by KabelSchlepp. Proper cavity design is quite possibly the single most important factor of the carrier that ensures long term cable and hose life. Quantum's cavity system design flexibility allows quick and easy partitioning as well as opening to both sides for easy cavity/cable access while maintaining an extremely strong burst-proof box section.

QUANTUM, truly a higher level of dynamic cable and hose carrier technology for today's automated machinery, answering tomorrows needs.