Drilling Equipment

Top Drive Cable Chain

Smarter Cable Management. Lower Maintenance. Higher Reliability.



Product range

BENTEC Cable Chain | Application-Specific Configurations

Applications

- Oil & gas
- Geothermal
- Land rigs
- Offshore platforms
- Jack-up rigs
- Workover units

Reduce Wear. Lower Downtime. Improve Reliability.

The Top Drive Cable Chain is a multi-directional flexible cable management system designed to safely guide and protect power, control and media lines on top drive systems. Combining the advantages of conventional drag chains and service loops without the need for complex guiding systems, it delivers a durable, maintenance-friendly and highly flexible solution for demanding drilling operations.

- Multi-directional flexible cable management without additional guiding systems
- Replace individual components without replacing the full loop
- Compatible with common third-party market configurations
- Designed for harsh drilling environments

Conventional service loops and drag chains often suffer from high wear, limited flexibility and difficult maintenance requirements

Operators face increasing pressure to:
- Reduce unplanned downtime caused by cable or hose failures
- Improve maintenance efficiency and reduce replacement cost
- Maintain safe and organized cable routing under dynamic drilling conditions
- Extend service life and improve operational reliability

Without advanced cable management systems:
- Cable wear and friction increase failure risk
- Loop collisions and uncontrolled movement create operational hazards
- Entire loop assemblies often require replacement after failure
- Downtime, maintenance effort and operating cost increase

Why BENTEC?

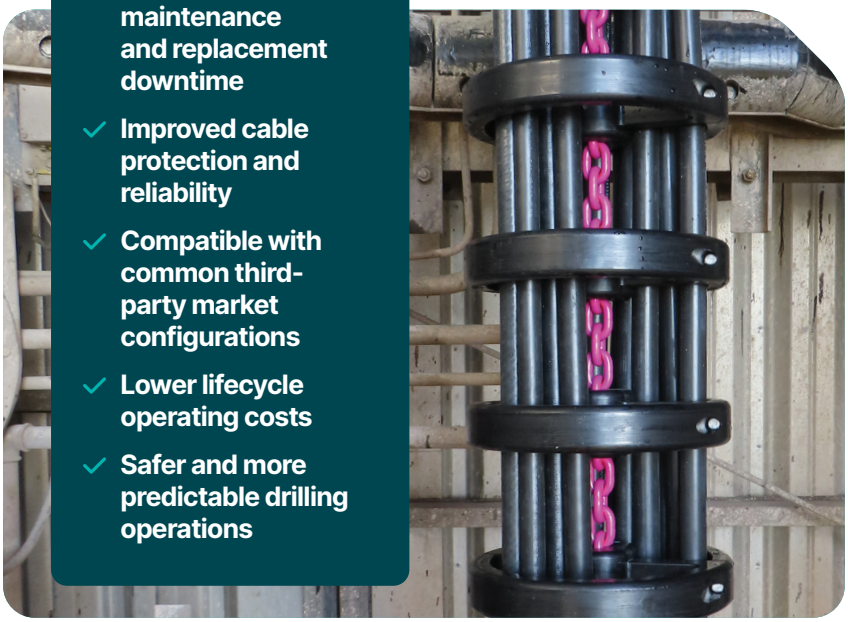
More flexibility.
Less wear. Greater uptime.
The Top Drive Cable Chain is engineered to provide reliable and maintenance-friendly cable management for top drive operations. Combining multi-directional flexibility with a modular design, it safely routes power, control and optional hydraulic or pneumatic lines while reducing wear and mechanical stress.

It allows individual components or cables to be replaced without changing the entire loop system and can be configured to suit a wide range of rig and operational requirements, including custom loop lengths, cable layouts, hydraulic or pneumatic line integration, alternative mounting configurations, and project-specific compliance or certification requirements.
- Multi-directional flexibility without guiding systems
- Reduced friction and cable wear
- Modular design with replaceable individual components
- Compact and organized routing of power and control lines
- Designed for harsh drilling environments in temperatures from -45°C to +55°C and high-cycle operations

Designed to deliver

- ✓ **Reduced downtime**
  Individual cables and components can be replaced quickly without replacing the complete loop assembly
- ✓ **Lower maintenance costs**
  Reduced wear and simplified repairs help minimize maintenance effort and operating cost
- ✓ **Full flexibility**
  Multi-directional movement adapts naturally to top drive operation without complex guiding systems
- ✓ **Easier inspection & maintenance**
  Visible and accessible cables support preventive maintenance and operational planning
- ✓ **Longer service life**
  Reduced bending stress and friction improve durability and cable lifetime
- ✓ **Reliable operation**
  Designed for stable power and signal transmission across demanding drilling environments

- ✓ **Reduced maintenance and replacement downtime**
- ✓ **Improved cable protection and reliability**
- ✓ **Compatible with common third-party market configurations**
- ✓ **Lower lifecycle operating costs**
- ✓ **Safer and more predictable drilling operations**



Proven performance

- ✓ **Field-proven across onshore and offshore drilling operations**
- ✓ **Successfully deployed on demanding North Sea asset and various land rigs across Europe and Middle East**
- ✓ **Designed for harsh drilling environments and high-cycle operations**
- ✓ **Supports reduced maintenance effort and improved uptime**
- ✓ **Trusted by drilling contractors and rig operators worldwide**

Ready to reduce service loop maintenance and improve reliability?
Speak to a BENTEC expert

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Bold Engineering+Technology

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