

Steel Wire Rope Ropetex TYCLIFT 8SC

Product information



Ropetex TYCLIFT 8SC is a steel wire rope developed for elevator installations where both bending fatigue and load stability influence rope performance. Its 8×19S construction, combined with an independent wire rope core, offers a balance between flexibility and structural stability. Compared to fiber-core designs, this rope provides controlled elongation while maintaining good bending behavior. It is well-suited for mid- to high-rise elevators with normal to heavy usage.

When to choose this product

- Elevator installations requiring a balance of flexibility and stability
- Mid- to high-rise applications with intermediate to high bending cycles
- Situations where controlled elongation improves long-term adjustment

Product benefits

- **8×19S construction with independent steel core (IWRC)**
Combines good bending performance with improved structural stability compared to fiber-core ropes.
- **Controlled elongation behavior**
Supports consistent elevator performance and reduces the frequency of rope re-tensioning.
- **Suitable for higher bending demands**
Designed to handle intermediate to high bending cycles in daily operation.
- **Normal to heavy usage capability**
Covers a wide range of passenger elevator duty levels without over-specification.

Tolerances

- ≤10 mm 0% – +3%
- >10 mm 0% – +2%

Total number of wires: 227

Rope construction: 8×19S-IWRC

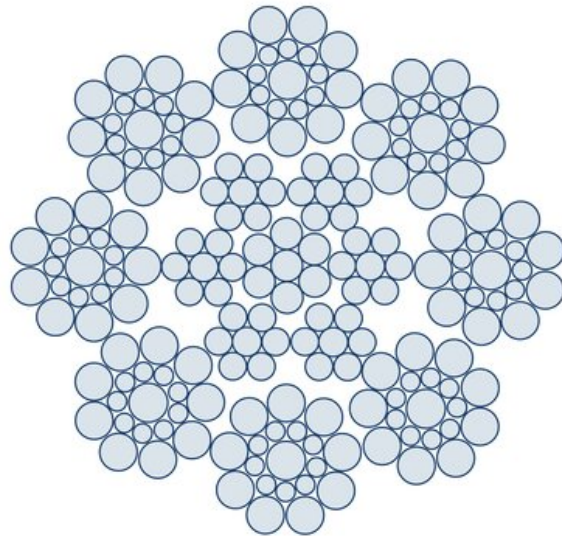
Marking: According to standard, CE-marked, UKCA-marked

Temperature range: -40°C up to +100°C

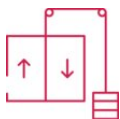
Finish: Bright (U)

Standard: EN 12385-5, ISO 4344

Fill factor: 0,582



Elevator



Part code	Rope diameter mm	Finish	Tensile strength N/mm ²	Rope lay	Min. breaking force kN	Lubrication	Weight kg/100m
-	8	Bright	1,570/1,770	sZ	40.8	A-1	26.05
-	10	Bright	1,570/1,770	sZ	63.8	A-1	40.7