

Robust. Safe. Recyclable.

HerkulesEco®



The HerkulesEco rope is a specially developed playground rope with a steel wire core, sheathed in high-strength polyester yarn.

In the Eco version, this yarn is largely made from recycled PET (rPET), such as used plastic bottles. This ensures proven stability while actively contributing to environmental protection.

Sustainable Strength by Design

The HerkulesEco rope with recycled yarn combines certified safety with ecological responsibility. It stands for durable playground equipment and resource-efficient design – with no compromises on function, aesthetics, or safety.

Color & Appearance:

Identical to virgin material – no compromise in aesthetics or feel



Outer Sheath: Braided covering made of recycled polyester (rPET)
Recycled Content: Depending on the product series, from >50% to 100% rPET



Rope Diameter:

Standard 16 mm
(other sizes available upon request)

Core: Galvanized steel wire rope, 6-strand, extremely tensile

Design:

Braided core – a synergy of safety and sustainability



SUSTAINABILITY BENEFITS

- ✓ **rPET Yarn** = Sourced from recycled PET bottles (certified)
- ✓ **Lower CO₂ Emissions** = rPET production emits up to 75 % less CO₂ compared to virgin yarn
- ✓ **Reduced Energy Use** = Significantly less energy and water required for production
- ✓ **Certified Quality** = Same mechanical properties as virgin polyester (UV resistance, abrasion, etc.)
- ✓ **Recyclability** = Easy to separate after use (steel/PET)

TECHNICAL ADVANTAGES

- + Highest tensile and abrasion resistance
- + Very low elongation
- + UV and color resistant
- + Excellent grip – child-friendly
- + Resistant to oil, water, and microorganisms

FIELDS OF APPLICATION

- + Climbing nets, rope bridges, hand-over-hand equipment
- + Playground equipment with safety-critical components
- + Public playgrounds, schoolyards, recreational areas
- + Sustainable construction projects with environmental focus

