

TUTUS ACID ALERT

ROPE ACCESS • UTILITIES • RENEWABLES • EMERGENCY
SERVICES • DEFENCE • HEIGHT SAFETY

Tutus Acid Alert has a unique colour change marker that will change from yellow to red when exposed to strong acids.

Reference	Diameter (mm)	Reel Length (m)	Weight (100m)	Breaking Load (kN)	000/ White & Yellow fleck	ACID SOLUTION	RETAINED BL %	COLOUR AFTER 20S EXPOSURE
3913	10.5	50	6.79	30.6	39130050000	10% Hydrochloric	77.6	Strong red
3913	10.5	100	6.79	30.6	39130100000	40% Formic	85.2	Strong red
3913	10.5	200	6.79	30.6	39130200000	10% Sulphuric	85.8	Strong red
3914	11.0	50	7.46	35.6	39140050000	1% Hydrochloric	89.4	Red
3914	11.0	100	7.46	35.6	39140100000	5% Oxalic	91.3	Red
3914	11.0	200	7.46	35.6	39140200000	10% Phosphoric	94.0	Strong orange
						5% Formic	96.3	Orange
						1% Sulphuric	96.7	Orange
						3% Benzoic	98.6	No change (yellow)
						5% Acetic	99.7	No change (yellow)

Even a 20-second exposure to some acids can weaken a rope by 25%, compromising safety. Longer exposure will increase this strength loss. Tutus Acid Alert offers a clearly defined permanent colour change, indicating when a rope has been compromised by strong acid chemicals and should be retired. Tutus Acid Alert meets CE EN 1891 certification.

FEATURES & BENEFITS

- Developed in line with BS EN1891
- 32-plait nylon cover with nylon multi-cores
- Batch controlled process and traceability
- Colour range available
- Maximum strength from construction
- Colour range for easy identification

TYPICAL APPLICATIONS

- Industrial Rope Access
- Cleaning with chemicals
- Paint stripping
- Lime scale stripping
- Weld preparation
- Fall safety systems
- Rescue operations

PHYSICAL PROPERTIES AS TESTED TO EN 1891 : 1998

Model designation	10.5mm Static Rope	11mm Static Rope
Type	A	A
Core material	Polyamide	Polyamide
Cover material	Polyamide	Polyamide
Mass of rope	67.9 grams	74.6 grams
Core %	52%	55.6%
Cover %	48%	44.4%
Sheath slippage	0	0
Elongation 50–150kg*	3.00%	2.50%
Static strength without terminations*	30.6kN	35.6kN
Static strength with figure 8*	18.8kN	19.4kN
Static strength with sewn eyes*	22.7kN	29.9kN
Impact force*	5.1kN	5.0kN
No. of drops to failure	>5	>5