



# Sisal & Manila Ropes



## 3 Strand Hawser Laid Sisal Rope



### Applications

- Mining
- General industrial
- Truck ropes
- Rope handles
- Barrier ropes
- Halters and nets
- Capstan ropes
- Driver ropes
- Tug-o-war ropes
- Slings

### Features/Benefits

- Tough, abrasion resistant, resists external wear
- Versatile
- Non-conductive
- Easily spliced
- Biodegradable
- Excellent for knotting and splicing

## 3 Strand Hawser Laid Manila Rope



### Applications

- Marine
- Shipping
- Lifting
- Capstan ropes
- Driving ropes
- Slings
- Rope ladders
- Cargo nets
- Safety nets
- Block fall ropes

### Features/Benefits

- Strong, hardwearing
- Soft feel, smooth handling
- Biodegradable
- Non-conductive
- Good abrasion resistance
- Low stretch
- Weather resistant
- Resistant to fungal attack and moisture

## Fibre Characteristics

Fibre Type	Description	Specific Gravity	Sensitive to	Resistant to	Heat Reaction	Strength & Elongation
<b>Sisal</b>	Agave Sisalans/ Vegetable Fibre	1.50	Mineral acids, weak or strong paints, detergents, chemical salts, fats, weathering & sunlight	Volatile petroleum solvents, batching oils & alkalis	Burns as fibre touches flame. Supports combustion	Fibre Elongation: Dry: 2.9% Wet: 3.4% Rope Elongation: Dry: 13% Wet: 16% Extension causes rupture
<b>Manila</b>	Agave Vegetable Fibre (65% cellulose, 12% water, 22% pectin)	1.50	Mineral acids, weak or strong paints, detergents, chemical salts, fats, weathering & sunlight	Volatile petroleum solvents, batching oils & alkalis	Critical temp is 150°C after which fibre burns at flame. Supports combustion	Fibre Elongation: Dry: 2.8% Wet: 3.2% Rope Elongation: Dry: 13% Wet: 15% Extension causes rupture