



### LSOH Screened Torsion Resistant Loop Cable 0.6/1kV

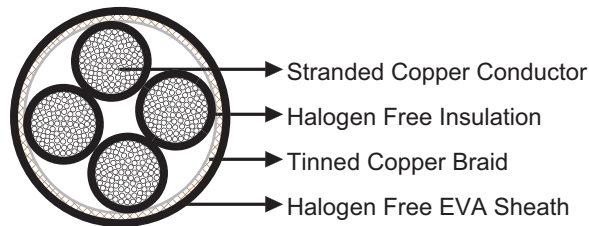
#### » Application

These cables are designed for special application condition in wind turbines, special for medium mechanical stress and for operation under permanent influence of seawater and usage outdoor.

#### » Standards

IEC 60502  
EN 50363  
HD 22.13

#### » Construction



**Conductor:** Stranded bare copper conductor.

**Insulation:** Extruded halogen free rubber compound EI8.

**Screen:** Tinned wire copper braid.

**Sheath:** Extruded halogen free EVA compound EM8.

#### » Technical Data

|   |  |
|---|--|
| Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> ) | 0.6/1 kV                                 |
| Operating Temperatures                            | flexing: -35°C~+90°C; fixed: -40°C~+90°C |
| Minimum Bending Radii                             | flexing: 6×OD; fixed: 4×OD               |
| Torsion Application                               | ± 100 °/m                                |
| Maximum Permissible Tensile Load                  | 15 N/mm <sup>2</sup> (in operation)      |
| Short-circuit Temperature                         | 250°C                                    |
| Flame Retardant                                   | EN 50265-2-1                             |
| Halogen Free                                      | IEC 60754                                |
| Smoke Density                                     | IEC 61034                                |



# Caledonian Windmill Cables

## Power Cable

|                 |     |
|-----------------|-----|
| Oil Resistant   | Yes |
| Ozone Resistant | Yes |
| Silicone Free   | Yes |

### » Dimensions and Weight

| Construction<br>No. of cores×mm <sup>2</sup> | Nominal Overall Diameter<br>mm | Nominal Weight<br>kg/km |
|--|--------------------------------|-------------------------|
| 25×0.75                                      | 18.0                           | 500                     |
| 25×1   | 20.0                           | 550                     |
| 4×1.5  | 10.0                           | 150                     |
| 12×1.5                                       | 16.0                           | 400                     |
| 32×1.5                                       | 26.0                           | 950                     |
| 42×1.5                                       | 35.0                           | 1700                    |
| 12×2.5                                       | 23.0                           | 620                     |
| 5×2.5  | 15.0                           | 300                     |
| 4×4  | 13.5                           | 300                     |

