



(N)TSCGEHXOEU Medium Voltage LSOH Torsion Resistant Cable

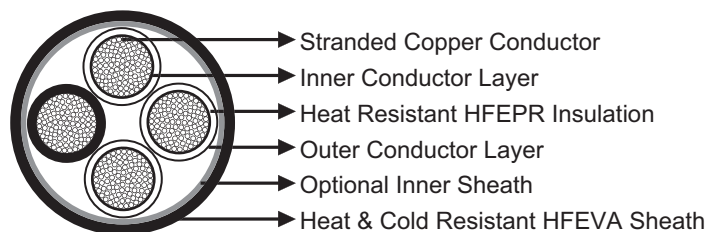
» Application

These LSOH cables are specifically designed for special application condition in wind turbines, used for economical transmission of large energy rates with medium voltage.

» Standards

DIN VDE 0250 Part 813

» Construction



Conductor: Stranded tinned/bare copper, class 5 according to DIN VDE 0295 IEC 60228.

Inner Conductor Layer: Semiconductive halogen free rubber compound.

Insulation: Halogen free, heat resistant insulation based on EPR.

Outer Conductor Layer: Semiconductive rubber compound.

Optional Inner Sheath: Extruded special rubber compound.

Sheath: Halogen free special rubber compound based on EVA.

» Technical Data

| | |
|---|---|
| Rated Voltage U ₀ /U (U _m) | 8.7/15 kV, 12/20 kV, 18/30 kV, 20/35 kV |
| Operating Temperatures | -40°C~+90°C |
| Minimum Bending Radius | 10×OD |
| Torsion Application | +/100°/m |
| Maximum Permissible Tensile Load | 15N/mm ² |
| Short-circuit Temperature | 250°C |
| Flame Retardant | DIN EN 60332-1 |
| Halogen Free | IEC 60754 |
| Corrosive Gases | DIN EN 50267-2-3 |



Power Cable

| | |
|-----------------|----------------|
| Smoke Density | DIN EN 50268-2 |
| Oil Resistant | Yes |
| Ozone Resistant | Yes |
| UV Resistant | Yes |
| Silicone Free | Yes |

» Dimensions and Weight

8.7/15kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 3×50/50 | 51.5 | 4050 |
| 3×70/70 | 57.5 | 5250 |
| 3×95+3×16.7 | 57.5 | 5600 |

12/20kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 3×25/25 | 51.5 | 3400 |
| 3×35/35 | 54.5 | 4000 |
| 3×50/50 | 56.5 | 4700 |
| 3×70/70 | 59.0 | 5700 |
| 3×95/95 | 65.5 | 6900 |

18/30kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 3×25/25 | 67.5 | 5300 |
| 3×35/35 | 67.5 | 5600 |
| 3×50/50 | 69.5 | 6300 |
| 3×70/70 | 71.5 | 7100 |
| 3×95/95 | 76.5 | 8500 |

20/35 kV

| Construction | Nominal Overall Diameter | Nominal Weight |
|------------------------------|--------------------------|----------------|
| No. of cores×mm ² | mm | kg/km |
| 3×25/25 | 73.0 | 6100 |
| 3×35/35 | 73.0 | 6500 |
| 3×50/50 | 73.0 | 6800 |
| 3×70/70 | 76.0 | 7900 |
| 3×95/95 | 78.0 | 9100 |