



(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