NTSCGEWOEU Medium Voltage Torsion Resistant Cable 12~35kV

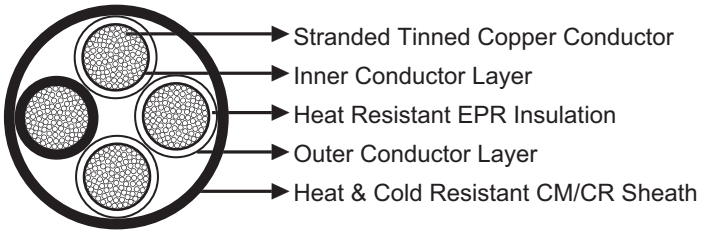
» Application

These cables are specifically designed for carrying medium voltage energy from the transformer in the nacelle to the bottom of the tower.

» Standards

DIN VDE 0250 Part 813

» Construction



Conductor: Stranded tinned copper, class 5 according to DIN VDE 0295/IEC 60228.
Inner Conductor Layer: Semiconductive rubber compound.
Insulation: Heat resistant EPR.
Outer Conductor Layer: Semiconductive rubber compound.
Sheath: Heat and cold resistant special rubber compound based on CM (Chlorinated synthetic rubber) or CR (Chloroprene rubber).

» Technical Data

Rated Voltage U0/U (Um)	12/20kV, 18/30kV, 20/35kV
Operating Temperatures	-40℃~+90℃
Minimum Bending Radius	10×OD
Torsion Application	+/100°/m
Maximum Permissible Tensile Load	20N/mm²
Short-circuit Temperature	200℃
Flame Retardant	DIN EN 502652-1/IEC 60332-1
Oil Resistant	Yes
Ozone Resistant	Yes
UV Resistant	Yes

» Dimensions and Weight

12/20kV

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
3×25/25	61.2	4780
3×35/35	65.9	5700
3×50/50	69.5	6630
3×70/70	73.5	7840

18/30kV

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
3×25/25	79.1	7520
3×35/35	80.5	8050
3×50/50	83.1	8920
3×70/70	89.0	10600

20/35kV

Construction	Nominal Overall Diameter	Nominal Weight
No. of cores×mm²	mm	kg/km
3×25/25	86.2	8820
3×35/35	90.8	10000
3×50/50	93.0	10830
3×70/70	96.1	12050