

# (N)TSCGEWÖU - 3.6/6kV and 6/10kV Submersible Cable - 25mm<sup>2</sup> to 185mm<sup>2</sup> with reduced earth conductors



## Description

(N)TSCGEWÖU is a specialized medium-voltage flexible power supply cable designed primarily for heavy-duty applications in mining and marine environments. The "submersible" variant of this cable is engineered for permanent immersion in water at depths of up to 300 meters.

It is a heavy-duty, flexible, medium-voltage rubber submersible power cable for harsh mining and marine environments, designed for trailing/reeling operations which produce high mechanical and torsional stress. The cable comprises of tough rubber insulation and sheathing. The code breaks down the construction as follows: N=Sheathed, T=Three cores, S=Screened, C=Copper conductor, G=Rubber, WÖU=Special outer sheath for water/oil/abrasion resistance.

It is a class 5 flexible supply cable for use in permanent immersion in fresh, salty and brackish water such as estuaries and marshes up to 300 metres deep. For applications such as pumps, dredgers and floating docks. It is also suitable for trailing operations of opencast mining equipment both internally and external.

## Key Features



**Submersible**  
Submersible to 300 metres



**Voltage Rating**  
3.6/6 (7.2)kV  
6.35/11 (12)kV



**Minimum Bending Radius**  
Fixed: 6 x overall diameter  
Flexing: 10 x overall diameter



**Flame Retardancy**  
BS EN/IEC 60332-1-2



**Temperature Limits**  
Fixed: -40°C to +80°C  
Flexed: -25°C to +60°C

## Standards

- BS EN/IEC 60332-1-2
- BS EN/IEC 60228
- VDE 0250-813

## Construction

- **Conductor:** Class 5 tinned copper
- **Conductor Screen:** Semi-Conductive Tape
- **Inner Semi-Conductor:** Semi-Conductive Rubber Layer
- **Insulation:** Rubber Compound
- **Outer Semi Conductor:** Semi-Conductive Rubber Layer
- **Inner Sheath:** EPR rubber compound with water proofing
- **Outer Sheath:** CM rubber compound with water proofing
- **Sheath Colour:** Black

## QA Lab

### Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



### CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



## Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



### ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance



**(N)TSCGEWÖU - 3.6/6kV and 6/10kV Submersible Cable - 25mm<sup>2</sup> to 185mm<sup>2</sup> with reduced earth conductors - Dimensions**

Reference	Maximum Tensile Load (N)	Earth Conductor Size (mm <sup>2</sup> )	No Of Cores	Phase Conductor Size (mm <sup>2</sup> )	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)	Voltage
(N)6kVTSCGEW OU3X25/3	1500	25	3+3	25	39.80	41.40	2585	3.6/6kV
(N)6kVTSCGEW OU3X35/3	2100	25	3+3	35	43.00	44.70	3070	3.6/6kV
(N)6kVTSCGEW OU3X50/3	3000	25	3+3	50	45.90	47.70	3710	3.6/6kV
(N)6kVTSCGEW OU3X70/3	4200	35	3+3	70	49.80	51.50	4680	3.6/6kV
(N)6kVTSCGEW OU3X95/3	5700	50	3+3	95	55.70	57.70	5880	3.6/6kV
(N)6kVTSCGEW OU3X120/3	7200	70	3+3	120	59.60	61.40	7140	3.6/6kV
(N)6kVTSCGEW OU3X150/3	9000	70	3+3	150	66.00	68.50	8700	3.6/6kV
(N)6kVTSCGEW OU3X185/3	11100	95	3+3	185	67.80	70.30	9890	3.6/6kV
(N)10kVTSCGEW OU3X25/3	1500	25	3+3	25	39.80	42.20	2630	6/10kV
(N)10kVTSCGEW OU3X35/3	2100	25	3+3	35	42.90	45.30	3110	6/10kV
(N)10kVTSCGEW OU3X50/3	3000	25	3+3	50	46.00	48.40	3760	6/10kV
(N)10kVTSCGEW OU3X70/3	4200	35	3+3	70	49.80	52.30	4710	6/10kV
(N)10kVTSCGEW OU3X95/3	5700	50	3+3	95	55.70	58.30	5930	12/20kV
(N)10kVTSCGEW OU3X120/3	7200	70	3+3	120	59.50	62.20	7180	12/20kV
(N)10kVTSCGEW OU3X150/3	9000	70	3+3	150	66.00	69.00	8740	12/20kV
(N)10kVTSCGEW OU3X185/3	11100	95	3+3	185	67.90	70.90	9940	12/20kV

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