

(N)TSCGECEWÖU - 3.6/6kV and 6/10kV Submersible Cable - 25mm² to 185mm²



Description

(N)TSCGECEWÖU 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, E=Earth, C=Control, E=Earth, 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
10 x Overall Diameter



Temperature Limits
Fixed: -50°C to +80°C
Flexing: -35°C to +80°C

Standards

- DIN VDE 0295 / IEC 60228
- DIN VDE 0250-813
- IEC/EN 60332-1-2

Construction

- **Conductor:** Class 5 tinned copper
- **Insulation:** Rubber Compound
- **Outer Semi Conductor:** Semi-Conductive Rubber Layer
- **Circuit Protective Conductor:** Individual Copper Wire Braid
- **Filler:** Rubber compound on textile polyester
- **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

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(N)TSCGECEWÖU - 3.6/6kV and 6/10kV Submersible Cable - 25mm² to 185mm² - Dimensions

| Reference | No Of Cores | Phase Conductor Size (mm ²) | Minimum Bending Radius | Overall Diameter(mm) | Weight(Kg/Km) | Voltage |
|-------------------------|-------------|---|------------------------|----------------------|---------------|---------|
| (N)6kVTSCGECEWOU 3X25 | 3 | 25 | 445 | 44.5 | 2840 | 3.6/6kV |
| (N)10kVTSCGECEWOU 3X25 | 3 | 25 | 450 | 45.0 | 2875 | 6/10kV |
| (N)6kVTSCGECEWOU 3X35 | 3 | 35 | 455 | 45.5 | 3185 | 3.6/6kV |
| (N)10kVTSCGECEWOU 3X35 | 3 | 35 | 460 | 46.0 | 3225 | 6/10kV |
| (N)6kVTSCGECEWOU 3X50 | 3 | 50 | 490 | 49.0 | 3840 | 3.6/6kV |
| (N)10kVTSCGECEWOU 3X50 | 3 | 50 | 495 | 49.5 | 3875 | 6/10kV |
| (N)6kVTSCGECEWOU 3X70 | 3 | 70 | 530 | 53.0 | 4975 | 3.6/6kV |
| (N)10kVTSCGECEWOU 3X70 | 3 | 70 | 550 | 55.0 | 5000 | 6/10kV |
| (N)6kVTSCGECEWOU 3X95 | 3 | 95 | 595 | 59.5 | 6175 | 3.6/6kV |
| (N)10kVTSCGECEWOU 3X95 | 3 | 95 | 600 | 60.0 | 6225 | 6/10kV |
| (N)6kVTSCGECEWOU 3X120 | 3 | 120 | 630 | 63.0 | 7550 | 3.6/6kV |
| (N)10kVTSCGECEWOU 3X120 | 3 | 120 | 640 | 64.0 | 7595 | 6/10kV |
| (N)6kVTSCGECEWOU 3X150 | 3 | 150 | 710 | 71.0 | 9065 | 3.6/6kV |
| (N)10kVTSCGECEWOU 3X150 | 3 | 150 | 720 | 72.0 | 9100 | 6/10kV |
| (N)6kVTSCGECEWOU 3X185 | 3 | 185 | 740 | 74.0 | 10360 | 3.6/6kV |
| (N)10kVTSCGECEWOU 3X185 | 3 | 185 | 745 | 74.5 | 10400 | 6/10kV |

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