

(N)TSCGECEWÖU - 8.7/15kV and 12/20kV Submersible Cable - 25mm² to 120mm²



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
8.7/15 (17.5)kV
12/20 (24)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 +60°
Flexing: -25°C to +60°C

Standards

- VDE 0250-813
- BS EN/IEC 60228
- VDE 0295

Construction

- **Conductor:** Class 5 tinned copper
- **Conductor Screen:** Semi-Conductive Tape
- **Insulation:** Rubber Compound
- **Insulation Screen:** Inner and outer 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.

ecovadis

(N)TSCGECEWÖU - 8.7/15kV and 12/20kV Submersible Cable - 25mm² to 120mm² - Dimensions

Reference	No Of Cores	Phase Conductor Size (mm ²)	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)	Voltage
(N)15kVTSCGECEWO U3X25	3	25	500	50.0	3430	8.7/15kV
(N)15kVTSCGECEWO U3X35	3	35	510	51.0	3805	8.7/15kV
(N)15kVTSCGECEWO U3X50	3	50	570	57.0	4710	8.7/15kV
(N)15kVTSCGECEWO U3X70	3	70	600	60.0	5680	8.7/15kV
(N)15kVTSCGECEWO U3X95	3	95	640	64.0	6545	8.7/15kV
(N)15kVTSCGECEWO U3X120	3	120	720	72.0	8535	8.7/15kV
(N)20kVTSCGECEWO U3X35	3	35	580	58.0	4570	12/20kV
(N)20kVTSCGECEWO U3X50	3	50	620	62.0	5315	12/20kV
(N)20kVTSCGECEWO U3X70	3	70	670	67.0	6595	12/20kV
(N)20kVTSCGECEWO U3X95	3	95	710	71.0	7760	12/20kV

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