

(N)TSCGEWÖU - 8.7/15kV and 12/20kV Submersible Cable - 25mm² to 95mm² 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



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 +80°C
Flexed: -25°C to +80°C

Standards

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

Construction

- **Conductor:** Class 5 Flexible Tinned Copper
- **Conductor Screen:** Semi-Conductive Tape
- **Inner Semi-Conductor:** Semi-Conductive Rubber Layer
- **Insulation:** Rubber Compound
- **Outer Semi Conductor:** Semi-Conductive Rubber Layer
- **Circuit Protective Conductor:** Class 5 tinned copper
- **Inner Sheath:** Rubber Compound
- **Braiding:** Anti-torsion polyester braiding
- **Outer Sheath:** Rubber Compound
- **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)TSCGEWÖU - 8.7/15kV and 12/20kV Submersible Cable - 25mm² to 95mm² with reduced earth conductors - Dimensions

Reference	Maximum Tensile Load (N)	Earth Conductor Size (mm ²)	No Of Cores	Phase Conductor Size (mm ²)	Overall Diameter(Lower)	Overall Diameter(Upper)	Weight(Kg/Km)	Voltage
(N)15kVTSCGEW OU3X25/3	1500	25/3E	3+3	25	47.20	49.00	3310	8.7/15kV
(N)15kVTSCGEW OU3X35/3	2100	25/3E	3+3	35	48.70	50.70	3685	8.7/15kV
(N)15kVTSCGEW OU3X50/3	3000	25/3E	3+3	50	53.60	55.50	4585	8.7/15kV
(N)15kVTSCGEW OU3X70/3	4200	35/3E	3+3	70	57.40	59.50	5600	8.7/15kV
(N)15kVTSCGEW OU3X95/3	5700	50/3E	3+3	95	60.70	63.20	6560	8.7/15kV
(N)15kVTSCGEW OU3X120/3	7200	70/3E	3+3	120	66.30	66.60	8140	8.7/15kV
(N)15kVTSCGEW OU3X150/3	9000	70/3E	3+3	150	71.00	71.00	9465	8.7/15kV
(N)15kVTSCGEW OU3X185/3	11100	95/3E	3+3	185	73.00	75.50	10720	8.7/15kV
(N)20kVTSCGEW OU3X25/3	1500	25/3E	3+3	25	52.00	53.80	1500	12/20kV
(N)20kVTSCGEW OU3X35/3	2100	25/3E	3+3	35	55.20	57.00	4440	12/20kV
(N)20kVTSCGEW OU3X50/3	3000	25/3E	3+3	50	58.40	60.40	5170	12/20kV
(N)20kVTSCGEW OU3X70/3	4200	35/3E	3+3	70	62.20	64.50	6250	12/20kV
(N)20kVTSCGEW OU3X95/3	5700	50/3E	3+3	95	67.10	69.50	7490	12/20kV
(N)20kVTSCGEW OU3X120/3	7200	70/3E	3+3	120	71.00	73.50	8850	12/20kV

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