

## (N)TMCGCWÖU20/35 (42kV) Cable - 25mm<sup>2</sup> to 630mm<sup>2</sup>



### Description

(N)TMCGCWÖU cable is Medium voltage, class 5 single core cable with added semiconductive material between each of the Core, the insulation and the earth conductor and surrounded with a rubber outer sheath. It is usually used for short-length connections of transformers and switchgear, as well as power cables on mining equipment and alongside conveyor belts.

(N)TMCGCWÖU comes in 8 different power ranges. from 3.6/6kV to 26/45kV

### Key Features



**Voltage Rating**  
20/35 (42kV)



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



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



**Temperature Limits**  
Fixed: -40°C to +80°C  
Flexing: -25°C to +80°C  
Maximum Short Circuit Temperature: +200°C

### Standards

- Ozone resistant: BS EN/IEC 60811-403
- BS EN/IEC 60811-404
- UV Resistant: ISO 4892-2
- VDE 0295
- VDE 0250 PT812
- BS EN/IEC 60332-1-2
- IEC 60228

### Construction

- **Conductor:** Class 5 tinned copper
- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Quality Rubber Compound, according to VDE 0207 Part 20
- **Insulation Screen:** Inner and outer semi-conductive rubber layer
- **Concentric Conductor:** Copper wires with helical equalising copper tape
- **Outer Sheath:** Quality rubber compound, according to VDE 0207 part 21
- **Sheath Colour:** Red

### 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)TMCGCWÖU20/35 (42kV) Cable - 25mm<sup>2</sup> to 630mm<sup>2</sup> - Dimensions**

Reference	Conductor Size (mm <sup>2</sup> )	Nominal Conductor Diameter	CWS(mm)	Max Overall Dia	Minimum Bending Radius	Weight(Kg/Km)
42kV(N)TMCGCWÖU1 X25	25	6.9	RM/16	32.5	195	1360
42kV(N)TMCGCWÖU1 X35	35	7.8	RM/16	33.5	201	1490
42kV(N)TMCGCWÖU1 X50	50	9.3	RM/16	34.5	207	1680
42kV(N)TMCGCWÖU1 X70	70	11.1	RM/16	36.5	219	1950
42kV(N)TMCGCWÖU1 X95	95	12.7	RM/16	39.0	234	2300
42kV(N)TMCGCWÖU1 X120	120	14.5	RM/16	41.5	249	2620
42kV(N)TMCGCWÖU1 X150	150	16.7	RM/25	43.5	261	3080
42kV(N)TMCGCWÖU1 X185	185	17.6	RM/25	44.5	267	3370
42kV(N)TMCGCWÖU1 X240	240	20.6	RM/25	47.5	285	4040
42kV(N)TMCGCWÖU1 X300	300	22.7	RM/25	50.5	303	4670
42kV(N)TMCGCWÖU1 X400	400	25.2	RM/35	53.5	321	5690
42kV(N)TMCGCWÖU1 X500	500	29.5	RM/35	58.0	348	7060
42kV(N)TMCGCWÖU1 X630	630	34.0	RM/35	64.0	384	9080

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.