

## (N)TMCGCWÖU6/10 (12kV)



(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**  
6/10 (12)kV



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



**Oils, Greases and Chemicals Resistant**  
Yes



**UV/Ozone Resistance**  
Yes



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



**Temperature Limits**  
Maximum short-circuit temperature:  
250°C



**Temperature Limits**  
Fixed: -50°C to +90°C

### Construction

- **Conductor:** Tinned copper conductor
- **Conductor Screen:** Semi-Conductive material
- **Inner Semi-Conductor:** Semi-Conductive Material
- **Insulation:** Quality Rubber Compound, according to VDE 0207 Part 20
- **Insulation Screen:** Inner and outer semi-conductive rubber layer on the insulation
- **Concentric Conductor:** Copper wires with counter helix of copper tape
- **Outer Sheath:** Quality rubber compound, according to VDE 0207 part 21
- **Sheath Colour:** Red

### Standards

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

(N)TMC GCWÖU6/10 (12kV) - Dimensions

| Reference              | Conductor Size (mm2) | Nominal Conductor Diameter | CWS(mm) | Max Overall Dia | Minimum Bending Radius | Weight(Kg/Km) |
|------------------------|----------------------|----------------------------|---------|-----------------|------------------------|---------------|
| 12KV(N)TMC GC WÖU1X25  | 25                   | 6.8                        | RM/16   | 20.3            | 122                    | 770           |
| 12KV(N)TMC GC WÖU1X35  | 35                   | 7.8                        | RM/16   | 23.0            | 138                    | 900           |
| 12KV(N)TMC GC WÖU1X50  | 50                   | 9.4                        | RM/16   | 24.5            | 147                    | 1070          |
| 12KV(N)TMC GC WÖU1X70  | 70                   | 11.2                       | RM/16   | 26.3            | 158                    | 1300          |
| 12KV(N)TMC GC WÖU1X95  | 95                   | 12.7                       | RM/16   | 28.9            | 174                    | 1590          |
| 12KV(N)TMC GC WÖU1X120 | 120                  | 14.4                       | RM/16   | 30.9            | 186                    | 1880          |
| 12KV(N)TMC GC WÖU1X150 | 150                  | 16.3                       | RM/25   | 33.3            | 199                    | 2320          |
| 12KV(N)TMC GC WÖU1X185 | 185                  | 17.6                       | RM/25   | 35.2            | 212                    | 2670          |
| 12KV(N)TMC GC WÖU1X240 | 240                  | 20.6                       | RM/25   | 38.3            | 230                    | 3310          |
| 12KV(N)TMC GC WÖU1X300 | 300                  | 22.7                       | RM/25   | 41.0            | 246                    | 3800          |
| 12KV(N)TMC GC WÖU1X400 | 400                  | 25.2                       | RM/35   | 44.6            | 268                    | 4830          |
| 12KV(N)TMC GC WÖU1X500 | 500                  | 29.5                       | RM/35   | 49.5            | 297                    | 6140          |
| 12KV(N)TMC GC WÖU1X630 | 630                  | 34.0                       | RM/35   | 54.9            | 330                    | 8060          |

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For more information contact: 01642 241 133

