



### MINING AND TUNNELLING CABLE

DIN VDE mining cable references

6 orderable sizes

|   |   |   |
|---|---|---|
| <b>STANDARD</b><br>DIN VDE mining cable references                            | <b>VOLTAGE CLASS</b><br>3.6/6 kV, 6/10 kV or customer-specified ratings | <b>CONDUCTOR</b><br>Flexible copper conductor |
| <b>INSULATION / JACKET</b><br>Oil, abrasion and flame resistant rubber sheath |   |   |

### Construction

- 1 ■ **Conductor (per core)** – Flexible tinned copper conductor · 396 × Ø0.4 mm · IEC 60228 cl.5
- 2 ■ **Core insulation** – Rubber compound
- 3 ■ **Filler** – PP filler
- 4 ■ **Shield** – Braid shield (C)
- 5 ■ **Sheath** – Oil, abrasion and flame resistant rubber sheath

### Size selection — all available cross-sections

| Cable reference  | Voltage class | Equipment duty   | Core / pilot design           | Conductor size     | Max DC resistance at 20 °C | OD guide |
|--|---------------|------------------|-------------------------------|--------------------|----------------------------|----------|
| NTSCGEWOU 3.6/6 kV Tunnel equipment 3 power cores + earth + pilot 25 mm <sup>2</sup> | 3.6/6 kV      | Tunnel equipment | 3 power cores + earth + pilot | 25 mm <sup>2</sup> | 0.780 Ω/km                 | 35 mm    |
| NTSCGEWOU 3.6/6 kV Tunnel equipment 3 power cores + earth + pilot 35 mm <sup>2</sup> | 3.6/6 kV      | Tunnel equipment | 3 power cores + earth + pilot | 35 mm <sup>2</sup> | 0.554 Ω/km                 | 37 mm    |
| NTSCGEWOU 3.6/6 kV Tunnel equipment 3 power cores + earth + pilot 50 mm <sup>2</sup> | 3.6/6 kV      | Tunnel equipment | 3 power cores + earth + pilot | 50 mm <sup>2</sup> | 0.386 Ω/km                 | 40 mm    |
| NTSCGEWOU 3.6/6 kV Tunnel equipment 3 power cores + earth + pilot 70 mm <sup>2</sup> | 3.6/6 kV      | Tunnel equipment | 3 power cores + earth + pilot | 70 mm <sup>2</sup> | 0.272 Ω/km                 | 43 mm    |
| NTSCGEWOU 3.6/6 kV Tunnel equipment 3 power cores + earth + pilot 95 mm <sup>2</sup> | 3.6/6 kV      | Tunnel equipment | 3 power cores + earth + pilot | 95 mm <sup>2</sup> | 0.206 Ω/km                 | 46 mm    |

| Cable reference  | Voltage class | Equipment duty     | Core / pilot design           | Conductor size      | Max DC resistance at 20 °C | OD guide |
|--|---------------|--------------------|-------------------------------|---------------------|----------------------------|----------|
| NTSCGEWOU 3.6/6 kV Tunnel equipment 3 power cores + earth + pilot 120 mm <sup>2</sup>    | 3.6/6 kV      | Tunnel equipment   | 3 power cores + earth + pilot | 120 mm <sup>2</sup> | 0.161 Ω/km                 | 49 mm    |
| Cable reference  | Voltage class | Equipment duty     | Core / pilot design           | Conductor size      | Max DC resistance at 20 °C | OD guide |
| NTSCGEWOU 6/10 kV Mining drive 3 power cores + earth + pilot 35 mm <sup>2</sup>          | 6/10 kV       | Mining drive       | 3 power cores + earth + pilot | 35 mm <sup>2</sup>  | 0.554 Ω/km                 | 37 mm    |
| NTSCGEWOU 6/10 kV Mining drive 3 power cores + earth + pilot 50 mm <sup>2</sup>          | 6/10 kV       | Mining drive       | 3 power cores + earth + pilot | 50 mm <sup>2</sup>  | 0.386 Ω/km                 | 40 mm    |
| NTSCGEWOU 6/10 kV Mining drive 3 power cores + earth + pilot 70 mm <sup>2</sup>          | 6/10 kV       | Mining drive       | 3 power cores + earth + pilot | 70 mm <sup>2</sup>  | 0.272 Ω/km                 | 43 mm    |
| NTSCGEWOU 6/10 kV Mining drive 3 power cores + earth + pilot 95 mm <sup>2</sup>          | 6/10 kV       | Mining drive       | 3 power cores + earth + pilot | 95 mm <sup>2</sup>  | 0.206 Ω/km                 | 46 mm    |
| NTSCGEWOU 6/10 kV Mining drive 3 power cores + earth + pilot 120 mm <sup>2</sup>         | 6/10 kV       | Mining drive       | 3 power cores + earth + pilot | 120 mm <sup>2</sup> | 0.161 Ω/km                 | 49 mm    |
| NTSCGEWOU 6/10 kV Mining drive 3 power cores + earth + pilot 150 mm <sup>2</sup>         | 6/10 kV       | Mining drive       | 3 power cores + earth + pilot | 150 mm <sup>2</sup> | 0.129 Ω/km                 | 52 mm    |
| Cable reference  | Voltage class | Equipment duty     | Core / pilot design           | Conductor size      | Max DC resistance at 20 °C | OD guide |
| NTSCGEWOU 8.7/15 kV Flexible MV feeder 3 power cores + earth + pilot 50 mm <sup>2</sup>  | 8.7/15 kV     | Flexible MV feeder | 3 power cores + earth + pilot | 50 mm <sup>2</sup>  | 0.386 Ω/km                 | 44 mm    |
| NTSCGEWOU 8.7/15 kV Flexible MV feeder 3 power cores + earth + pilot 70 mm <sup>2</sup>  | 8.7/15 kV     | Flexible MV feeder | 3 power cores + earth + pilot | 70 mm <sup>2</sup>  | 0.272 Ω/km                 | 47 mm    |
| NTSCGEWOU 8.7/15 kV Flexible MV feeder 3 power cores + earth + pilot 95 mm <sup>2</sup>  | 8.7/15 kV     | Flexible MV feeder | 3 power cores + earth + pilot | 95 mm <sup>2</sup>  | 0.206 Ω/km                 | 50 mm    |
| NTSCGEWOU 8.7/15 kV Flexible MV feeder 3 power cores + earth + pilot 120 mm <sup>2</sup> | 8.7/15 kV     | Flexible MV feeder | 3 power cores + earth + pilot | 120 mm <sup>2</sup> | 0.161 Ω/km                 | 53 mm    |

| Cable reference  | Voltage class | Equipment duty     | Core / pilot design           | Conductor size      | Max DC resistance at 20 °C | OD guide |
|--|---------------|--------------------|-------------------------------|---------------------|----------------------------|----------|
| NTSCGEWOU 8.7/15 kV<br>Flexible MV feeder 3 power cores + earth + pilot<br>150 mm <sup>2</sup> | 8.7/15 kV     | Flexible MV feeder | 3 power cores + earth + pilot | 150 mm <sup>2</sup> | 0.129 Ω/km                 | 56 mm    |
| NTSCGEWOU 8.7/15 kV<br>Flexible MV feeder 3 power cores + earth + pilot<br>185 mm <sup>2</sup> | 8.7/15 kV     | Flexible MV feeder | 3 power cores + earth + pilot | 185 mm <sup>2</sup> | 0.106 Ω/km                 | 60 mm    |

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