

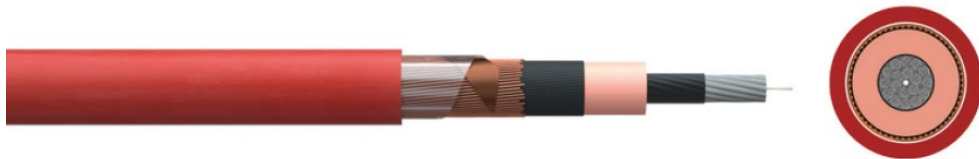
## (N)TMCGCWOEU

Flexible medium voltage cable, 3,6/6 kV, 6/10 kV, 8,7/15 kV, 12/20 kV or 18/30 kV  
+ 90°C service temperature, single core, oil, UV and ozone resistant  
adapted to DIN VDE 250 - 813

### Application

These cables are intended for use as short length connection in switchgear or transformer houses where a very small bending radius is required as well as power cables on mining equipment and alongside conveyor belts. When laying and during operation, care should be taken to protect them from excessive mechanical stress.

### Construction



1. Conductor: Copper conductor, flexible (class 5)
2. Insulation: EPR – 3GI3
3. Electric field control: Inner and outer layer of semiconductive rubber compound
4. Screen: Copper spiral shield
5. Outer sheath: Rubber, compound 5GM5, red

### Technical information

Rated voltage	kV	3,6/6	6/10	8,7/15	12/20	18/30
Max. operating voltage AC	kV	7,2	12	18	24	36
Test voltage AC	kV	11	17	24	29	43
Max. permissible temperature at conductor		+ 90 °C				
Max. short circuit temperature of the conductor		+ 250 °C				
Operating temperature	fix installed	-40 °C to 80 °C				
	flex operation	-25 °C to 60 °C				
Min. bending radius mm	fix installed	6 x outer diameter in mm				
	flex operation	10 x outer diameter in mm				
Max. tensile load		15 N/mm <sup>2</sup>				

### Safety parameters

Flame propagation single cable IEC 60332-1

### Additional parameters

Weather resistance Resistant to ozone and UV  
Oil resistance EN 60811-404

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N° of cores and cross section mm <sup>2</sup>	Outer diameter approx. mm	Weight approx. kg/km	Resistance at 20°C max. Ω/km	Current carrying capacity A	Short Circuit Current kA
<b>3,6/6 kV</b>					
1x95/16	29,2	1630	0,21	301	11,59
1x185/25	34,5	2690	0,108	461	22,57
1x240/25	38,4	3200	0,0817	528	29,28
<b>6/10 kV</b>					
1x95/16	28,8	1510	0,21	301	11,59
1x120/16	30,9	1880	0,164	352	14,64
1x150/25	33,3	2320	0,132	404	18,30
1x185/25	35,2	2670	0,108	461	22,57
1x240/25	39,0	3170	0,0817	528	29,28
1x300/25	42,2	3760	0,0654	608	36,60
1x630/35	57,0	7980	0,0292		76,86
<b>8,7/15 kV</b>					
1x400/35	46,9	4176	0,05	970	48,8
<b>12/20 kV</b>					
1x25/16	24,3	870	0,795	139	3,05
1x35/16	25,0	970	0,565	172	4,27
1x50/16	27,3	1200	0,393	216	6,10
1x70/16	29,1	1440	0,277	265	8,54
1x95/16	30,8	1690	0,21	319	11,59
1x120/16	33,6	2060	0,164	371	14,64
1x150/25	36,0	2510	0,132	428	18,30
1x185/25	37,0	2810	0,108	488	22,57
1x240/25	41,0	3540	0,0817	574	29,28
1x300/25	44,3	3950	0,0654	660	36,60
<b>18/30 kV</b>					
1x35/16	30,0	1240	0,565	234	4,27
1x50/16	31,6	1380	0,393	216	6,10
1x70/16	34,4	1770	0,277	265	8,54
1x95/16	36,1	2040	0,21	319	11,59
1x120/16	37,9	2297	0,164	371	14,64
1x150/25	41,3	2780	0,132	428	18,30
1x185/25	43,0	3230	0,108	488	22,57
1x300/25	48,5	4340	0,065	660	36,60
1x500/35	57,1	6730	0,0391	860	61,00

Current carrying capacity: single-core rubber-cables laid on surfaces at 30° C ambient temperature

La version française de cette fiche technique est disponible sur demande.  
De technische gegevens zijn op aanvraag in het Nederlands beschikbaar.