

# Flexible medium voltage cable (N)TMCGEWOEU



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Medium-voltage rubber cable for energy distribution along conveyor systems. Preferable for fixed installation.

## Construction and technical data:

<b>Standard:</b>	DIN VDE 0250-813 (with ref. to)
<b>Conductor material:</b>	tinned copper
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber 3GI3
<b>Electrical field control:</b>	inner and outer semiconducting rubber layer
<b>Arrangement of protective conductors:</b>	copper spiral shield on each core
<b>Sheathing material:</b>	rubber (CR) 5GM5
<b>Colour of outer sheath:</b>	red
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-2-1
<b>Ozone-resistant:</b>	DIN EN 60811-2-1(A)
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +80 °C
<b>Bending radius, fixed installation:</b>	6 x Ø
<b>Bending radius, moving application:</b>	10 x Ø
<b>Maximum tensile strength at the conductor:</b>	15 N/mm <sup>2</sup>



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

(N)TMCGEWOEU 18/30 kV

<b>Nominal voltage U<sub>o</sub>:</b>	18 kV
<b>Nominal voltage U:</b>	30 kV
<b>Maximum permitted operating voltage in three-phase systems:</b>	36 kV
<b>Test voltage:</b>	43 kV

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	F <sub>zv</sub> [N]	Cu	G [kg]
052575	1X35/16 KON	0.565	172	29.1	525	490	1240
052576	1X50/16 KON	0.393	216	31.6	750	634	1440
052577	1X70/16 KON	0.277	265	34.4	1050	826	1770
052578	1X95/16 KON	0.21	319	36.1	1425	1066	2040
052579	1X120/16 KON	0.164	371	37.9	1800	1306	2360
052580	1X150/25 KON	0.132	428	41.3	2250	1680	2920
052581	1X240/25 KON	0.0817	574	46	3600	2544	3910

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
Ø	outer diameter approx.
F <sub>zv</sub>	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000