

# Flexible medium voltage cable (N)TSCGEWOEU MT SUB



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Water-resistant flexible medium voltage cable for light drum operation and for the connection of switchgear and for the connection of mobile transformer substations. When laying and during operation, care should be taken to protect them from excessive mechanical stress.

## Construction and technical data:

<b>Conductor material:</b>	tinned copper
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber (EPR) 3GI3
<b>Electrical field control:</b>	inner and outer semiconducting rubber layer
<b>Screen:</b>	copper braid
<b>Sheathing material:</b>	rubber 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 60811-404
<b>Water-resistant:</b>	AD8
<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, moving application:</b>	15 x Ø
<b>Maximum tensile strength at the conductor:</b>	15 N/mm <sup>2</sup>
<b>Operating speed random, m/min.:</b>	60 m/min.



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)TSCGEWOEU MT SUB 8.7/15 kV

**Nominal voltage U<sub>o</sub>:** 8.7 kV  
**Nominal voltage U:** 15 kV  
**Maximum permitted operating voltage in three-phase systems:** 18 kV  
**Test voltage:** 24 kV

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	F <sub>zv</sub> [N]	Cu	G [kg]
052495	01X120/16 RD	0.164	371	37.5	1800	1306	2260

(N)TSCGEWOEU MT SUB 18/30 kV

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

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	F <sub>zv</sub> [N]	Cu	G [kg]
054101	01X120/16 RD	0.164	371	38.9	1800	1306	2270
054102	01X185/25 RD	0.108	488	43.5	2775	2016	3140

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