

# Treoflex NSGAFÖU 3.3kV SDI Rubber 110°C

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## Technical Data

- Special rubber-insulated single core cables to DIN VDE 0250 part 602
- **Temperature range**  
flexing -25°C to + 110°C  
fixed installation -40°C to + 110°C
- **Permissible operating temperature**  
at conductor 110°C
- **Nominal voltage**  
 $U_0/U$  1.8/3.3 kV
- **Max. permissible operating voltage**  
for three one-phase alternating current operation  $U_0/U$  2.1/3.6 kV for direct current operation  $U_0/U$  2.7/5.4 kV
- **Test voltage**  
6 kV
- **Minimum bending radius**  
5 x cable  $\emptyset$

## Cable Structure

- Tinned copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5 and IEC 60228 cl. 5
- EPR-insulation, compound type 3G13 to DIN VDE 0207 part 20
- Chlorinated polyethylene (CPE) mixtures conform to 5GM3 - outer jacket oil resistant and abrasion resistant
- Colour black

## Properties

- **Oil resistant**  
Test to DIN VDE 0473 part 811-1-2-1
- **Behaviour in fire**  
• Test according to VDE 0482-332-1-2-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Considered as being short-circuit safe and inherently earth-fault proof are those operating materials and conducting assemblies where because of suitable measures and/or means applied, neither a short circuit nor a short to ground is to be expected under operating conditions which are in accordance with those specified for the intended application

## Application

Particularly suitable for protection against short circuits in laying and for inherently earth-fault proof routing in rail vehicles and omnibuses

Part Number	No. of cores x cross-sec. mm <sup>2</sup>	Outer $\emptyset$ ca. mm	Cop.weight kg/km	Weight kg/km
TA65.0015.01	1 x 1.5	5.8 ±0.5	14.4	62.0
TA65.0025.01	1 x 2.5	6.3 ±0.6	24.0	76.0
TA65.0040.01	1 x 4	6.9 ±0.6	38.0	95.0
TA65.0060.01	1 x 6	7.59 ±0.6	58.0	140.0
TA65.0100.01	1 x 10	9 ±0.7	96.0	190.0
TA65.0160.01	1 x 16	10.1 ±0.7	154.0	270.0
TA65.0250.01	1 x 25	12.4 ±0.9	240.0	410.0
TA65.0350.01	1 x 35	13.6 ±0.9	336.0	490.0

Part Number	No. of cores x cross-sec. mm <sup>2</sup>	Outer $\emptyset$ ca. mm	Cop.weight kg/km	Weight kg/km
TA65.0500.01	1 x 50	15.1 ±1.0	480.0	650.0
TA65.0700.01	1 x 70	16.9 ±1.1	672.0	900.0
TA65.0950.01	1 x 95	19.3 ±1.2	912.0	1200.0
TA65.1200.01	1 x 120	20.9 ±1.3	1152.0	1450.0
TA65.1500.01	1 x 150	23 ±1.4	1440.0	1800.0
TA65.1850.01	1 x 185	25.1 ±1.5	1776.0	2200.0
TA65.2400.01	1 x 240	28.1 ±1.7	2304.0	2650.0
TA65.3000.01	1 x 300	31.2 ±1.8	2880.0	3250.0