

TROMMELFLEX PUR trailing and control cable, halogen-free



TROMMELFLEX PUR-HF 7G1.5MM

Technical Data

- Special PUR insulation and jacket
- Adapted to DIN VDE 0250
- Strain bearing support strand
- **Temperature range**
-40°C to +90°C
- **Nominal Voltage**
0.6/1 kV
- **Test Voltage**
2.5 kV
- **Minimum bending radius**
6 x cable Ø

Cable Structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 class 5
- Core insulation based on polyester
- Support core
- Core coding to DIN VDE 0293 up to 5 cores from 6 cores numbered
- Cores stranded in layers
- Core wrapping with fleece
- Halogen-free outer jacket PUR

Properties

- High flexibility at low temperatures
- Abrasion and tear resistant
- Loadable under torsional stress
- for travelling speed up to 180 m/min

Resistant to

- Oils and fats
- Non-alcoholic fuels and kerosene
- Atmospheric influences
- UV-radiation
- Oxygen and ozone

Note

- G = with green-yellow earth core.
- AWG sizes are approximate equivalent
- values. The actual cross-section is in mm².

Application

TROMMELFLEX-PUR-HF halogen-free reeling cable for heavy duty devices such as cable reels (also vertical operation), hoisting devices, conveyor facilities, mobile motors, rail motors and agricultural devices. For exceptional mechanical stress in dry, humid and wet rooms and for outdoor use. The polyurethane material has reduced outer diameters and reduced weights.

Part Number	No. of cores x cross-sec. mm²	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km	Breaking Strain ca. kp
TA70.0015.04	4 X 1,5	10,0 - 11,2	61,0	150,0	1.340
TA70.0015.05	5 X 1,5	10,6 - 11,7	81,0	170,0	1.690
TA70.0015.07	7 X 1,5	12,0 - 13,2	115,0	220,0	2.150
TA70.0015.12	12 X 1,5	15,5 - 16,7	196,0	360,0	2.600
TA70.0015.18	18 X 1,5	16,9 - 18,1	271,0	470,0	2.600
TA70.0015.24	24 X 1,5	19,0 - 20,2	392,0	600,0	2.800
TA70.0015.30	30 X 1,5	21,1 - 22,5	450,0	740,0	2.900
TA70.0015.42	42 X 1,5	25,0 - 28,0	633,0	920,0	2.900
TA70.0025.04	4 X 2,5	11,1 - 12,2	99,0	200,0	1.345
TA70.0025.05	5 X 2,5	11,8 - 13,0	125,0	220,0	2.100
TA70.0025.07	7 X 2,5	13,5 - 14,7	180,0	310,0	2.550
TA70.0025.12	12 X 2,5	18,9 - 20,1	308,0	550,0	2.900
TA70.0025.18	18 X 2,5	19,2 - 20,4	451,0	670,0	3.450
TA70.0025.24	24 X 2,5	21,5 - 22,9	616,0	870,0	3.200
TA70.0025.30	30 X 2,5	24,4 - 26,0	771,0	1.090,0	4.200
TA70.0025.36	36 X 2,5	27,4 - 29,0	930,0	1.400,0	4.500
TA70.0040.04	4 X 4	12,3 - 13,5	160,0	280,0	1.690
TA70.0040.14	14 X 4	22,7 - 25,3	616,0	919,0	6.000
TA70.0060.04	4 X 6	14,1 - 15,2	241,0	370,0	1.860
TA70.0100.04	4 X 10	17,4 - 18,6	404,0	600,0	2.300
TA70.0160.04	4 X 16	20,0 - 21,4	645,0	850,0	2.800
TA70.0250.04	4 X 25	23,5 - 24,9	1.005,0	1.230,0	3.300
TA70.0350.04	4 X 35	28,5 - 30,2	1.417,0	1.760,0	3.300
TA70.0040.05	5 X 4	13,3 - 14,5	200,0	330,0	2.500
TA70.0060.05	5 X 6	16,4 - 17,6	317,0	480,0	3.000
TA70.0100.05	5 X 10	18,7 - 19,9	528,0	720,0	3.000
TA70.0160.05	5 X 16	21,7 - 23,0	816,0	1.030,0	3.000