

Treoflex PVC-flat

PVC Flat Cable

1



Technical Data

- **Conductor Material**
Copper, bare
- **Conductor Class**
Class 5
- **Core insulation**
PVC
- **Core identification**
acc. to VDE 0293-308 up to 5 wires coloured, from 6 wires black with white numerals resp. white with black numerals, with or without GNYE
- **Stranding**
Cores side by side
- **Outer sheath**
PVC
- **Sheath colour**
Black
- **Rated voltage [V]**
300/500 V up to 1mm²
450/750 V from 1.5mm²
- **Testing Voltage**
2000
- **Insulation resistance**
> 2 GΩ x km
- **min. bending radius moved [xd]**
10 x d
- **Working temp fixed min/max [C]**
-40°C up to +70°C
- **Working temp moved min/max [C]**
-20°C up to +70°C
- **Temp at conductor max.**
+ 70°C
- **Burning behaviour**
EC 60332-1: flame-retardant and self-extinguishing

Design:

- bare copper conductor
- stranding acc. to VDE 0295, class 5
- Core marking: acc. to VDE 0293-308 up to 5 wires coloured, from 6 wires black with white numerals resp. white with black numerals, with or without GNYE
- PVC insulation
- earth conductor green/yellow
- PVC outer sheath, black
- flame-retardant

Note

- G = with green-yellow earth core;
- X = without green-yellow earth core

Application:

Suitable in dry, wet and moist rooms as control and power cable. Use in conveyor and hoisting equipment etc. and as feed cable for mobile machine components with permanent moving operation.

Part Number	No. of cores x cross-sec. mm ²	Outer dimension	Cop.weight kg/km	Weight kg/km
TA45.0007.04	4 G 0.75	4.3 x 12.6	28.8	90
TA45.0007.05	5 G 0.75	4.3 x 16.1	36	115
TA45.0007.06	6 G 0.75	4.3 x 19.4	43.2	141
TA45.0007.09	9 G 0.75	4.3 x 26.4	64.8	198
TA45.0007.10	10 G 0.75	4.3 x 30.1	72	224
TA45.0007.12	12 G 0.75	4.3 x 33.8	84.4	258
TA45.0007.16	16 G 0.75	4.3 x 44.4	115.2	340
TA45.0007.18	18 G 0.75	4.3 x 49.2	129.6	380
TA45.0007.20	20 G 0.75	4.3 x 55.0	144	424
TA45.0007.24	24 G 0.75	4.3 x 65.6	172.8	509
TA45.0010.03	3 G 1	4.5 x 10.8	28.8	80
TA45.0010.04	4 G 1	4.5 x 13.4	38.4	104
TA45.0010.05	5 G 1	4.5 x 16.0	48	134
TA45.0010.06	6 G 1	4.5 x 20.6	57.6	161
TA45.0010.09	9 G 1	4.5 x 28.4	86.4	230
TA45.0010.10	10 G 1	4.5 x 30.0	96	256
TA45.0010.12	12 G 1	4.5 x 36.2	115.2	298
TA45.0010.16	16 G 1	4.5 x 47.6	153.6	395
TA45.0010.18	18 G 1	4.5 x 52.8	172.8	441
TA45.0010.20	20 G 1	4.5 x 59.0	192	495
TA45.0010.24	24 G 1	4.5 x 70.4	230.4	590
TA45.0015.04	4 G 1.5	4.5 x 13.7	58	133
TA45.0015.05	5 G 1.5	4.5 x 17.9	72	169
TA45.0015.07	7 G 1.5	4.5 x 23.5	101	235
TA45.0015.08	8 G 1.5	4.5 x 26.8	115	265
TA45.0015.10	10 G 1.5	4.5 x 33.5	144	332
TA45.0015.12	12 G 1.5	4.5 x 38.9	173	421
TA45.0015.16	16 G 1.5	4.5 x 51.5	230.4	555
TA45.0015.24	24 G 1.5	4.5 x 83.0	346	820

Part Number	No. of cores x cross-sec. mm ²	Outer dimension	Cop.weight kg/km	Weight kg/km
TA45.0025.04	4 G 2.5	5.5 x 17.0	96	205
TA45.0025.05	5 G 2.5	5.5 x 21.5	120	256
TA45.0025.07	7 G 2.5	5.5 x 30.3	168	344
TA45.0025.08	8 G 2.5	5.5 x 31.9	192	389
TA45.0025.12	12 G 2.5	5.8 x 47.1	288	580
TA45.0025.16	16 G 2.5	5.8 x 55.1	384	674
TA45.0025.24	24 G 2.5	5.8 x 120.0	604	950
TA45.0040.04	4 G 4	7.0 x 21.8	154	344
TA45.0040.05	5 G 4	7.0 x 27.4	192	428
TA45.0040.07	7 G 4	7.9 x 36.6	269	590
TA45.0060.04	4 G 6	8.2 x 24.8	230	424
TA45.0060.05	5 G 6	8.2 x 31.8	288	530
TA45.0060.07	7 G 6	8.2 x 42.6	403	760
TA45.0100.04	4 G 10	10.0 x 29.6	384	710
TA45.0160.04	4 G 16	11.2 x 34.4	614	1014
TA45.0160.05	5 G 16	13.0 x 46.6	768	1370
TA45.0250.04	4 G 25	13.7 x 42.6	960	1365
TA45.0250.05	5 G 25	15.5 x 55.5	1200	2000
TA45.0350.04	4 G 35	15.4 x 47.6	1344	2100
TA45.0500.04	4 G 50	18.2 x 57.0	1920	2940
TA45.0700.04	4 G 70	20.0 x 64.2	2688	4090