

1 Treoflex NEO-flat

Rubber Sheathed Flat cable



Technical Data

• Conductor Material

Copper, bare

• Conductor Class

Class 5 or 6

• Core insulation

Rubber compound

• Core identification

Up to 5 cores colour coded in accordance to VDE 0293, 6 cores and more black with printed consecutive number coding

• Stranding

Cores side by side

• Outer sheath

Neoprene

• Sheath colour

Black

• Rated voltage [V]

300 / 500 V

• Testing Voltage

2000

• Insulation resistance

10 MΩ x km

• min. bending radius moved [xd]

10 x d

• Working temp fixed min/max [C]

-40°C up to +85°C

• Working temp moved min/max [C]

-35°C up to +85°C

• Temp at conductor max.

+ 90°C

• Burning behaviour

IEC 60332-1: self-extinguishing and flame-retardant

Design:

- bare copper conductor
- earth conductor green/yellow
- structure according to VDE 0295, class 5 or 6
- rubber-insulated cores
- Core marking: up to 5 cores colour coded according to VDE 0293
- 7 cores and more black with printed consecutive number coding
- Neoprene outer sheath, black
- flame-retardant

Note

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

Application:

Neoprene-sheathed flat cables are weatherproof and thus suitable for use under adverse ambient conditions, e.g. for outdoor installation in shipyards, on cranes and on hoisting gear and conveyor systems, for example. Used up to mean mechanical strain and severe bending load along a single level during operation.

Suitable in dry and moist rooms and for outdoor use.

Part Number	No. of cores x cross-sec. mm ²	Outer dimension	Cop.weight kg/km	Weight kg/km
TA46.0015.04	4 G 1.5	5.9 x 16.2	58	234
TA46.0015.05	5 G 1.5	5.9 x 23.7	72	304
TA46.0015.07	7 G 1.5	5.9 x 30.5	101	391
TA46.0015.08	8 G 1.5	5.9 x 34.0	115	441
TA46.0015.10	10 G 1.5	5.9 x 43.5	144	460
TA46.0015.12	12 G 1.5	6.5 x 50.4	173	646
TA46.0015.24	24 G 1.5	13.0 x 56.0	346	1290
TA46.0025.04	4 G 2.5	7.2 x 19.6	96	316
TA46.0025.05	5 G 2.5	7.2 x 27.8	120	391
TA46.0025.07	7 G 2.5	7.2 x 36.1	168	533
TA46.0025.08	8 G 2.5	7.2 x 40.2	192	602
TA46.0025.12	12 G 2.5	7.8 x 59.4	288	890
TA46.0025.24	24 G 2.5	15.5 x 66.8	576	1480
TA46.0040.04	4 G 4	8.8 x 24.2	154	506
TA46.0040.05	5 G 4	8.8 x 33.4	192	621
TA46.0040.07	7 G 4	8.8 x 42.5	269	851
TA46.0060.04	4 G 6	9.6 x 27.4	230	661
TA46.0060.05	5 G 6	9.6 x 37.4	288	740
TA46.0060.07	7 G 6	9.6 x 47.2	403	1004

Part Number	No. of cores x cross-sec. mm ²	Outer dimension	Cop.weight kg/km	Weight kg/km
TA46.0100.04	4 G 10	10.4 x 30.8	384	1027
TA46.0100.05	5 G 10	10.4 x 41.6	480	1171
TA46.0160.04	4 G 16	11.6 x 35.6	614	1430
TA46.0160.05	5 G 16	12.2 x 48.2	768	1590
TA46.0250.04	4 G 25	14.1 x 45.8	960	1890
TA46.0250.05	5 G 25	14.7 x 58.3	1200	2215
TA46.0250.07	7 G 25	15.3 x 78.7	1680	3000
TA46.0350.04	4 G 35	15.8 x 50.8	1344	2460
TA46.0350.05	5 G 35	16.4 x 64.4	1680	2880
TA46.0350.07	7 G 35	16.4 x 86.4	2352	4100
TA46.0500.04	4 G 50	18.6 x 60.2	1920	3385
TA46.0700.04	4 G 70	21.0 x 68.0	2688	4480
TA46.0950.04	4 G 95	24.1 x 78.6	3648	5990
TA46.1200.04	4 G 120	25.5 x 84.2	4608	7240