

# Treoflex JZ

Flexible control cable, number coded



Treoflex-JZ 25 G 1.5mm<sup>2</sup> 300-500V RoHS



## Technical Data

- **Conductor Material**  
Copper, Bare
- **Conductor Class**  
Class 5 according to DIN VDE 0295, resp. IEC 60228
- **Core insulation**  
PVC
- **Core identification**  
According DIN VDE 0293 black cores with white numerals
- **Stranding**  
Cores twisted in layers
- **Outer sheath**  
PVC
- **Sheath colour**  
Grey, RAL 7001
- **Rated voltage [V]**  
300/500
- **Testing Voltage**  
4000
- **Conductor Resistance**  
DIN VDE 0295, resp. IEC 60228
- **Insulation resistance**  
> 20 MΩ x km
- **Current carrying capacity**  
DIN VDE (see technical data)
- **min. bending radius fixed [xd]**  
4 x d
- **min. bending radius moved [xd]**  
15 x d
- **working temp fixed min/max [C]**  
-40°C up to +80°C
- **working temp moved min/max [C]**  
-15°C up to +70°C
- **temp at conductor max.**  
+70°C in operation, + 150°C in case of short

- **Burning behaviour**  
IEC 60332-1: flame-retardant and self-extinguishing

## Design:

- fine strands of bare copper conductor
- PVC core insulation black with continuous white figure imprint
- stranding acc. to VDE 0295 class 5
- earth conductor green/yellow in other layer
- PVC outer sheath grey, RAL 7001

## Note

G = with green-yellow earth core;  
X = without green-yellow earth core (OZ).

## Application:

These cables are used for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms but not suitable for open air, as measuring and control cables in tool machines, conveyor belts, production lines in machinery production, in air-conditioning and in steel production. The earth core is laid in the outer layer. Selected PVC-compounds guarantee a good flexibility as well as an economic and fast installation.



Part Number	No. of cores x cross-sec. mm <sup>2</sup>	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km
TA20.0005.02.OZ	2 x 0.5	4.8	9.6	40
TA20.0005.03	3 G 0.5	5.1	14.4	46
TA20.0005.03.OZ	3 x 0.5	5.1	14.4	46
TA20.0005.04	4 G 0.5	5.7	19	56
TA20.0005.04.OZ	4 x 0.5	5.7	19	56
TA20.0005.05	5 G 0.5	6.2	24	65
TA20.0005.07	7 G 0.5	7.4	33.6	80
TA20.0005.12	12 G 0.5	9.1	58	135
TA20.0005.18	18 G 0.5	10.7	86	196
TA20.0005.25	25 G 0.5	13	120	270
TA20.0005.34	34 G 0.5	14.5	163	362
TA20.0005.40	40 G 0.5	15.8	192	434
TA20.0005.50	50 G 0.5	17.3	240	513
TA20.0005.65	65 G 0.5	20.2	312	682
TA20.0007.02.OZ	2 x 0.75	5.3	14.4	46.0
TA20.0007.03	3 G 0.75	5.6	21.6	54.0
TA20.0007.03.OZ	3 x 0.75	5.6	21.6	54.0
TA20.0007.04	4 G 0.75	6.3	28.8	66.0
TA20.0007.04.OZ	4 x 0.75	6.3	29.0	66.0
TA20.0007.05	5 G 0.75	6.9	36.0	80.0
TA20.0007.07	7 G 0.75	7.7	50.0	110.0
TA20.0007.12	12 G 0.75	10.0	86.0	179.0
TA20.0007.18	18 G 0.75	12.2	130	257
TA20.0007.25	25 G 0.75	14.5	180	365
TA20.0007.34	34 G 0.75	16.7	245	510
TA20.0007.41	41 G 0.75	18	296	607
TA20.0007.50	50 G 0.75	19.8	360	735
TA20.0010.02.OZ	2 x 1	5.6	19.2	60
TA20.0010.03	3 G 1	6.1	29	72
TA20.0010.03.OZ	3 x 1	6.1	29	72
TA20.0010.04	4 G 1	6.6	38.4	86
TA20.0010.04.OZ	4 x 1	6.6	38.4	86
TA20.0010.05	5 G 1	7.5	48	104
TA20.0010.07	7 G 1	8.1	67	141
TA20.0010.12	12 G 1	10.8	115	230
TA20.0010.18	18 G 1	12.9	173	343
TA20.0010.25	25 G 1	15.6	240	485
TA20.0010.34	34 G 1	17.9	326	650
TA20.0010.41	41 G 1	19.4	394	770
TA20.0010.50	50 G 1	21.2	480	936

Part Number	No. of cores x cross-sec. mm <sup>2</sup>	Outer Ø ca. mm	Cop.weight kg/km	Weight kg/km
TA20.0010.02.OZ	2 x 1	5.6	19.2	60
TA20.0010.03	3 G 1	6.1	29	72
TA20.0010.03.OZ	3 x 1	6.1	29	72
TA20.0010.04	4 G 1	6.6	38.4	86
TA20.0010.04.OZ	4 x 1	6.6	38.4	86
TA20.0010.05	5 G 1	7.5	48	104
TA20.0010.07	7 G 1	8.1	67	141
TA20.0010.12	12 G 1	10.8	115	230
TA20.0010.18	18 G 1	12.9	173	343
TA20.0010.25	25 G 1	15.6	240	485
TA20.0010.34	34 G 1	17.9	326	650
TA20.0010.41	41 G 1	19.4	394	770
TA20.0010.50	50 G 1	21.2	480	936
TA20.0015.02.OZ	2 x 1.5	6.4	29	70
TA20.0015.03	3 G 1.5	6.8	43	90
TA20.0015.03.OZ	3 x 1.5	6.8	43	90
TA20.0015.04	4 G 1.5	7.6	58	109
TA20.0015.05	5 G 1.5	8.3	72	131
TA20.0015.07	7 G 1.5	9.2	101	184
TA20.0015.12	12 G 1.5	12.2	173	309
TA20.0015.18	18 G 1.5	14.8	259	440
TA20.0015.25	25 G 1.5	17.8	360	620
TA20.0015.34	34 G 1.5	20.2	490	830
TA20.0015.42	42 G 1.5	22	605	1007
TA20.0015.50	50 G 1.5	24.2	720	1250
TA20.0025.02.OZ	2 x 2.5	7.8	48	112
TA20.0025.03	3 G 2.5	8.3	72	148
TA20.0025.04	4 G 2.5	9.2	96	178
TA20.0025.05	5 G 2.5	10.1	120	221
TA20.0025.07	7 G 2.5	11.2	168	306
TA20.0025.12	12 G 2.5	15.1	288	498
TA20.0025.18	18 G 2.5	18.2	432	764
TA20.0025.25	25 G 2.5	22.1	600	1044
TA20.0040.04	4 G 4	10.8	154	295
TA20.0040.05	5 G 4	12.1	192	361
TA20.0040.07	7 G 4	13.4	269	458
TA20.0040.12	12 G 4	18.3	461	790
TA20.0060.04	4 G 6	13	230	424
TA20.0060.05	5 G 6	14.7	288	525
TA20.0060.07	7 G 6	16.2	403	625
TA20.0100.07	7 G 10	20.7	672	1106

Treotham has a full range of cable glands and accessories

