

1 Treoflex – V90HT 0.6/1kV Flexible Single Core



Technical Data

- PVC single core to V90HT
- **Temperature range**
-20°C to + 90°C
- **Nominal voltage**
0.6/1kV
- **Bending radius**
3 x cable diameter

Cable Structure

- Annealed tinned copper conductors to AS1125
- Class 5 and 6 fine stranding
- Insulation of special soft V90HT PVC

Properties

- Flame Retardant
- RoHS

Relevant Standards

AS/NZS1125,
AS/NZS3808,
IEC60332-1,
AS/NZS5000.1

Application

Flexible single core cable for use in switchboards, transformers and other equipment requiring fixed and flexible single cores.

Part Number	Size	Nominal Stranding	Thickness of Insulation mm	Approx Diameter mm	Cable Weight KG/KM	Conductor Resistance @20° Ω/KM	Current Rating amps	Voltage Drop@50Hz MV/A
TA8.0005.01 ..	0.5	16/0.20	0.8	2.5	10.8	39	3	---
TA8.0007.01 ..	0.75	24/0.20	0.8	2.5	14.4	26	7.5	---
TA8.0010.01 ..	1	32/0.20	0.8	2.7	17.5	19.5	16	49.7
TA8.0015.01 ..	1.5	30/0.25	0.8	2.9	23	13.3	20	31.9
TA8.0025.01 ..	2.5	50/0.25	0.8	3.6	33.1	7.98	29	17.4
TA8.0040.01 ..	4	56/0.30	1.0	4.1	52.2	4.95	38	10.8
TA8.0060.01 ..	6	84/0.30	1.0	4.8	72.8	3.3	49	7.23
TA8.0100.01 ..	10	80/0.40	1.0	5.7	115	1.91	67	4.3
TA8.0160.01 ..	16	128/0.40	1.0	6.9	172	1.21	89	2.71
TA8.0250.01 ..	25	200/0.40	1.2	8.7	269	0.78	120	1.72
TA8.0350.01 ..	35	280/0.40	1.2	9.9	363	0.554	150	1.25
TA8.0500.01 ..	50	400/0.40	1.4	11.9	513	0.386	180	0.929
TA8.0700.01 ..	70	356/0.50	1.4	14.1	700	0.272	230	0.657
TA8.0950.01 ..	95	485/0.50	1.6	15.6	949	0.206	285	0.491
TA8.1200.01 ..	120	614/0.50	1.6	17.3	1182	0.161	335	0.403
TA8.1500.01 ..	150	765/0.50	1.8	19.4	1477	0.129	385	0.344
TA8.1850.01 ..	185	944/0.50	2.0	21.8	1826	0.106	445	0.296
TA8.2400.01 ..	240	1225/0.50	2.0	25.5	2362	0.080	540	0.252

Note: Please complete the part number for these cables by adding the below suffix for the colour required as per the list:

BK = Black, **RD** = Red, **WE** = White, **BE** = Blue, **BN** = Brown, **GY** = Grey, **VT** = Violet, **OE** = Orange, **PK** = Pink, **GW** = Green/Yellow.

Current Ratings:

Table 6 Column 1 AS/NZS 3008.1.1: 1998

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