BS 6346 VV_{32} Copper Wire PVC Insulated SWA Armoured Power Cables

PRODUCTS PICTURES

PRODUCTS KEYWORDS

VV_{32} power cable, BS 6346 cable, CU/PVC/SWA/PVC power cable, PVC insulated SWA power cable, CU/PVC/PVC/SWA/PVC power cable.

PRODUCTS APPLICATION

VV_{32} PVC Insulated SWA Armored PVC Sheathed Power Cables, 0.6/1kV, CU/PVC/SWA/PVC, copper wire, PVC insulation, PVC inner sheath (is optioned), steel wire armored, PVC sheath, meet to GB/T12706, IEC 60502, BS 6346. Generally speaking, steel wire armored cables have the characteristics of steel tape armored cables and can be laid vertically, while steel tape armored cables can only be laid horizontally.

PRODUCTS STRUCTURE

---Conductor Material

Plain copper wire, RE solid class 1 (1.5～6 mm^2), or RM strand class 2 (6～630mm^2).

---Insulation Material

PVC (Polyvinyl chloride)

---Insulation Colour

1C: red, yellow, blue, green, brown, black, or others.
2C: brown, blue;
3C: brown, blue, yellow/green;
4C: brown, blue, black, yellow/green;
5C: brown, blue, black, grey, yellow/green.

---Filler Material

Fiberglass tape

---Inner Sheath

PVC (Polyvinyl chloride)

---**Armored Material**

Single core: galvanized aluminum wire; multi-cores: galvanized steel wire armored.

---Out Sheath Material

PVC (Polyvinyl chloride)

---Sheath Colour

Black, or others.

---Core Number

1～ 5 cores.

---Voltage Rate (U_0/U)

0.6/1kV, 600/1000V

---Working Temperature

-15℃～+70℃

---Minimum Bending Radius

20 x Out Diameter

---Production Standard

GB/T 12706, IEC 60502, BS 6346, BS 50363.

PRODUCTS SPECIFICATION

Cross Section Area (mm^2)	Conductor Material	Conductor Structure (pcs/mm)	PVC Insulated Thickness (mm)	Diameter of Steel Wire (mm)	PVC Sheathed Thickness (mm)	Refer Max. Out Diameter (mm)	Refer Net Weight (kg/km)	Max. DC Conductor Resistance at 20°C (Ω/km)	Refer Current Rating in ground (A)
1x50	Copper wire	1C 19/1.78	1.4	1.25	1.5	18.8	1027	0.387	240
1x70	Copper wire	1C 19/2.14	1.4	1.25	1.6	20.7	1290	0.268	302
1x95	Copper wire	1C 19/2.52	1.6	1.25	1.6	23.0	1655	0.193	365
1x120	Copper wire	1C 37/2.04	1.6	1.6	1.7	25.9	2150	0.153	415
1x150	Copper wire	1C 37/2.25	1.8	1.6	1.7	27.9	2452	0.124	468
1x185	Copper wire	1C 37/2.52	2.0	1.6	1.8	30.3	2992	0.0991	530
1x240	Copper wire	1C 48/2.52	2.2	1.6	1.9	33.6	3670	0.0754	623
1x300	Copper wire	1C 61/2.52	2.4	1.6	1.9	36.3	4438	0.0601	708
1x400	Copper wire	1C 61/2.85	2.6	2.0	2.1	41.3	5809	0.0470	814

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2x4	Copper wire	2C 1/2.25	1.0	0.9	1.8	17.4	540	4.61	41
2x6	Copper wire	2C 1/2.72	1.0	0.9	1.8	19.3	730	3.08	53
2x10	Copper wire	2C 7/1.35	1.0	1.25	1.8	21.3	900	1.83	70
2x16	Copper wire	2C 7/1.70	1.0	1.25	1.8	23.3	1120	1.15	92
2x25	Copper wire	2C 7/2.14	1.2	1.6	1.8	27.5	1660	0.727	122
2x35	Copper wire	2C 7/2.50	1.2	1.6	1.8	29.7	1970	0.524	149
2x50	Copper wire	2C 19/1.78	1.4	1.6	1.9	32.7	2230	0.387	171
2x70	Copper wire	2C 19/2.14	1.4	1.6	2.0	36.9	3000	0.268	214
2x95	Copper wire	2C 19/2.52	1.6	2.0	2.2	42.3	3890	0.193	267
2x120	Copper wire	2C 37/2.04	1.6	2.0	2.3	45.5	4580	0.153	306
2x150	Copper wire	2C 37/2.25	1.8	2.0	2.4	50.3	5780	0.124	346
2x185	Copper wire	2C 37/2.52	2.0	2.5	2.6	55.1	6890	0.0991	396
2x240	Copper wire	2C 48/2.52	2.2	2.5	2.8	61.6	8430	0.0754	481
2x300	Copper wire	2C 61/2.52	2.4	2.5	2.9	66.7	10140	0.0601	541

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3x4	Copper wire	3C 1/2.25	0.8	0.9	1.4	15.8	393	4.61	36
3x6	Copper wire	3C 1/2.72	0.8	1.25	1.5	18.0	701	3.08	45
3x10	Copper wire	3C 7/1.35	1.0	1.25	1.6	21.2	967	1.83	60
3x16	Copper wire	3C 7/1.70	1.0	1.25	1.6	23.1	1219	1.15	79
3x25	Copper wire	3C 7/2.14	1.2	1.6	1.7	25.0	1612	0.727	105
3x35	Copper wire	3C 7/2.50	1.2	1.6	1.8	27.1	1992	0.524	127
3x50	Copper wire	3C 19/1.78	1.4	1.6	1.9	30.8	2534	0.387	148
3x70	Copper wire	3C 19/2.14	1.4	2.0	2.0	35.0	3518	0.268	185
3x95	Copper wire	3C 19/2.52	1.6	2.0	2.1	39.3	4510	0.193	221
3x120	Copper wire	3C 37/2.04	1.6	2.0	2.2	42.2	5375	0.153	261
3x150	Copper wire	3C 37/2.25	1.8	2.5	2.4	47.5	6810	0.124	296
3x185	Copper wire	3C 37/2.52	2.0	2.5	2.5	51.9	8190	0.0991	328
3x240	Copper wire	3C 48/2.52	2.2	2.5	2.6	57.8	10280	0.0754	386
3x300	Copper wire	3C 61/2.52	2.4	2.5	2.8	63.2	12430	0.0601	445

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4x4	Copper wire	4C 1/2.25	0.8	1.25	1.5	17.8	640	4.61	29
4x6	Copper wire	4C 1/2.72	0.8	1.25	1.5	19.2	770	3.08	37
4x10	Copper wire	4C 7/1.35	1.0	1.25	1.6	22.8	1070	1.83	46
4x16	Copper wire	4C 7/1.70	1.0	1.6	1.7	26.3	1550	1.15	64
4x25	Copper wire	4C 7/2.14	1.2	1.6	1.8	30.7	2005	0.727	83
4x35	Copper wire	4C 7/2.50	1.2	1.6	1.9	33.7	2490	0.524	102
4x50	Copper wire	4C 19/1.78	1.4	2.0	2.0	35.4	3475	0.387	122
4x70	Copper wire	4C 19/2.14	1.4	2.0	2.1	39.2	4480	0.268	151
4x95	Copper wire	4C 19/2.52	1.6	2.0	2.2	43.3	5710	0.193	182
4x120	Copper wire	4C 37/2.04	1.6	2.5	2.4	49.3	7350	0.153	208
4x150	Copper wire	4C 37/2.25	1.8	2.5	2.5	53.6	8720	0.124	233
4x185	Copper wire	4C 37/2.52	2.0	2.5	2.6	59.0	10540	0.0991	262
4x240	Copper wire	4C 48/2.52	2.2	2.5	2.8	65.7	13290	0.0754	305
4x300	Copper wire	4C 61/2.52	2.4	2.5	3.0	72.0	16050	0.0601	347
4x400	Copper wire	4C 61/2.85	2.6	3.15	3.3	81.3	20950	0.0470	400

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5x1.5	Copper wire	5C 1/1.38	0.7	0.9	1.4	14.3	430	12.1	32
5x2.5	Copper wire	5C 1/1.78	0.8	0.9	1.5	16.3	545	7.41	42
5x4	Copper wire	5C 1/2.25	0.8	1.25	1.5	19.0	790	4.61	55
5x6	Copper wire	5C 1/2.72	0.8	1.25	1.5	20.9	880	3.08	69
5x10	Copper wire	5C 7/1.35	1.0	1.25	1.6	25.8	1150	1.83	92
5x16	Copper wire	5C 7/1.70	1.0	1.6	1.7	28.4	1670	1.15	119
5x25	Copper wire	5C 7/2.14	1.2	1.6	1.8	33.5	2250	0.727	152
5x35	Copper wire	5C 7/2.50	1.2	1.6	1.9	36.6	2670	0.524	182
5x50	Copper wire	5C 19/1.78	1.4	2.0	2.0	43.0	3590	0.387	217
5x70	Copper wire	5C 19/2.14	1.4	2.0	2.1	48.1	4610	0.268	266

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3x10+ 1x6	Copper wire	3C:7/1.35 1C:1/2.70	1.0, 0.8	1.25	1.8	23.4	1370	1.83	64
3x16+ 1x10	Copper wire	3C:7/1.70 1C:7/1.35	1.0, 1.0	1.25	1.8	25.0	1620	1.15	84
3x25+ 1x16	Copper wire	3C:7/2.14 1C:7/1.70	1.2, 1.0	1.6	1.8	27.8	1900	0.727	108
3x35+ 1x16	Copper wire	3C:7/2.50 1C:7/1.70	1.2, 1.0	1.6	1.8	29.5	2300	0.524	130
3x50+ 1x25	Copper wire	3C:19/1.78 1C:7/2.14	1.4, 1.0	1.6	1.9	33.1	3050	0.387	158
3x70+ 1x35	Copper wire	3C:19/2.14 1C:7/2.50	1.4, 1.2	2.0	2.0	38.0	4130	0.268	198
3x95+ 1x50	Copper wire	3C:19/2.20 1C:19/1.78	1.6, 1.2	2.0	2.2	43.7	5370	0.193	236
3x120+ 1x70	Copper wire	3C:37/2.03 1C:19/2.14	1.6, 1.4	2.5	2.3	49.0	6840	0.153	269
3x150+ 1x70	Copper wire	3C:37/2.25 1C:19/2.14	1.8, 1.4	2.5	2.4	52.0	8040	0.124	303
3x185+ 1x95	Copper wire	3C:37/2.50 1C:19/2.50	2.0, 1.4	2.5	2.5	57.2	9760	0.0991	340
3x240+ 1x120	Copper wire	3C:48/2.50 1C:37/2.03	2.2, 1.6	2.5	2.7	63.7	12210	0.0754	396
3x300+ 1x150	Copper wire	3C:61/2.50 1C:37/2.25	2.4, 1.6	2.5	2.9	69.8	14840	0.0601	450
3x400+ 1x185	Copper wire	3C:61/2.85 1C:37/2.50	2.6, 1.8	3.15	3.1	78.6	19090	0.0470	514

REMARK

--- The information contained within this datasheet is for guidance only and is subject to change without notice or liability.

---All the information is provided in good faith and is believed to be correct at the time of publication.

---When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.