

Power cable

Cu/XLPE/PVC/(SWA/AWA)/PVC (BS 5467)



Application: Distribution cable for industry constructions and switching boxes. For fixed installation inside of buildings, direct burial in earth, in water as well as in concrete and for heavy duty mechanical load.

Construction and technical data:

Standard:	BS 5467
Conductor material:	copper, bare
Conductor construction:	Class 2 = stranded
Insulation:	XLPE
Armour:	steel- or aluminium-wires
Sheathing material:	PVC
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Permitted outer cable temperature, moved, °C:	0 - 70 °C
Bending radius, fixed installation:	8 x Ø



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Core identification

Number of cores	without protective conductor
1	brown
2	blue, brown
3	brown, black, grey
4	blue, brown, black, grey
5	blue, brown, black, grey, black
>5	numbers

BS 5467 Cu/XLPE/PVC/AWA/PVC (without protective conductor and aluminium wire armoured)

Nominal voltage U_o:	0.6 kV
Nominal voltage U:	1 kV
Test voltage:	3.5 kV
Protective conductor:	no
Armour:	aluminium wires

part no.	part name		RI [Ohm/km]	I _{bl} [A]	I _{be} [A]	Ø [mm]	Cu	G [kg]
012693	AWA 01X150	RM	0.124	377	371	24.1	1440	1930

BS 5467 Cu/XLPE/PVC/SWA/PVC (without protective conductor and steel wire armoured, galvanized)

Nominal voltage U_o:	0.6 kV
Nominal voltage U:	1 kV
Test voltage:	3.5 kV
Protective conductor:	no
Armour:	round steel wire, galvanized

part no.	part name		RI [Ohm/km]	I _{bl} [A]	I _{be} [A]	Ø [mm]	Cu	G [kg]
012721	SWA 12X1.5	RM	12.1	22	28	19.4	173	854
012575	SWA 03X2.5	RM	7.41	29	36	14.1	72	405
012807	SWA 07X2.5	RM	7.41	29	36	17.1	168	618
012866	SWA 10X2.5	RM	7.41	29	36	21.4	240	989
012753	SWA 12X2.5	RM	7.41	29	36	22.4	288	1080
012576	SWA 03X4	RM	4.61	37	47	15.3	115.2	495
012579	SWA 04X4	RM	4.61	37	47	16.4	154	579
012754	SWA 04X6	RM	3.08	46	59	18.7	231	820
012832	SWA 02X16	RM	1.15	98	121	17	307.2	910
012578	SWA 03X16	RM	1.15	83	102	21.2	461	1080
012677	SWA 04X16	RM	1.15	83	102	22.9	614.4	1400
012750	SWA 03X25		0.727	109	131	26.7	750	1750
012694	SWA 04X35		0.524	137	157	32.1	1360	2580
012681	SWA 04X50	SM	0.387	163	187	32.1	1920	3000
012695	SWA 04X95	SM	0.193	226	274	41.7	3720	5510
012705	SWA 04X120	SM	0.153	258	312	47.1	4720	7150
012756	SWA 04X150	SM	0.124	335	349	51.4	5760	8500
012757	SWA 04X185	SM	0.0991	386	394	56.6	7280	10300
012652	SWA 04X240	SM	0.0754	456	455	63.1	9520	13000

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _{be}	Ampacity in ground (20 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000