

Power cable

Cu/XLPE/PVC/SWA/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:	round steel wire, galvanized
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	with protective conductor
3	green-yellow, blue, brown
4	green-yellow, brown, black, grey
5	green-yellow, blue, brown, black, grey
>5	green-yellow + numbers

BS 5467 Cu/XLPE/PVC/SWA/PVC (with 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:	yes
Armour:	round steel wire, galvanized

part no.	part name		RI [Ohm/km]	I _{bl} [A]	I _{be} [A]	Ø [mm]	Cu	G [kg]
014556	07G1.5 white cores with printed numbers + gn-ye	RM	12.1	22	28	15.2	101	506
014558	19G1.5 white cores with printed numbers + gn-ye	RM	12.1	22	28	23.2	274	1120
015796	19G2.5 white cores with printed numbers + gn-ye (BS 5467)	RM	7.41	29	36	26.1	456	1570
013178	03G1.5 core colours: bn, bu, gn-ye	RM	12.1	22	28	12.8	43.2	341
013267	05G1.5 core colours: bn, bk, gy, bu, gn-ye	RM	12.1	22	28	14.2	72	433
012854	03G2.5 core colours: bn, bu, gn-ye	RM	7.41	29	36	14.1	72	405
012610	04G2.5 core colours: bn, bk, gy, gn-ye	RM	7.41	29	36	15	96	465
013182	05G2.5 core colours: bn, bk, gy, bu, gn-ye	RM	7.41	29	36	16	120	530
013179	03G4 core colours: bn, bu, gn-ye	RM	4.61	37	47	15.3	115.2	495
012855	04G10 core colours: bn, bk, gy, gn-ye	RM	1.83	65	79	21.1	384	1090
013183	05G4 core colours: bn, bk, gy, bu, gn-ye	RM	4.61	37	47	18.4	192	775
012929	04G6 core colours: bn, bk, gy, gn-ye	RM	3.08	46	59	18.7	231	820
013185	05G10 core colours: bn, bk, gy, bu, gn-ye	RM	1.83	65	79	23.2	480	1300
013186	05G16 core colours: bn, bk, gy, bu, gn-ye	RM	1.15	83	102	26.6	768	1880
013187	05G25 core colours: bn, bk, gy, bu, gn-ye	SM	0.727	109	131	31.7	1200	2670
013964	05G50 core colours: bn, bk, gy, bu, gn-ye		0.387	163	187	39.5	2400	3000

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