



# S.M.C

## Three Core Cables

Cu/XLPE/PVC/SWA/PVC & Cu/XLPE/SWA/PVC

Copper conductor

XLPE insulated Steel wire armored

PVC sheathed cables



Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Diameter of Armor Wire	Thickness of Outer Sheath	Approx. Overall Diameter		Approx. cable Weight		Standard Packing Length	Drum size	Approx. Gross Weight	
			Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding	Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding
Sqmm	Ohm/Km	mm	mm		mm	mm	mm		Kg/Km		Meter ±5%		Kg	
1.5*	12.1	0.7	0.8	-	0.9	1.3	13.3	-	33	-	1000	D-10	390	-
1.5	12.1	0.7	0.8	-	0.9	1.3	13.7	-	35	-	1000	D-10	410	-
2.5*	7.41	0.7	0.8	-	0.9	1.4	14.4	-	39	-	1000	D-10	450	-
2.5	7.41	0.7	0.8	-	0.9	1.4	14.8	-	41	-	1000	D-10	475	-
4	4.61	0.7	0.8	-	0.9	1.4	15.9	-	49	-	1000	D-11	590	-
6	3.08	0.7	0.8	-	0.9	1.4	17.2	-	58	-	1000	D-12	690	-
10	1.83	0.7	0.8	-	1.25	1.5	19.6	-	85	-	1000	D-12	960	-
16	1.15	0.7	0.8	-	1.25	1.6	22.2	-	111	-	1000	D-14	1260	-
25	0.727	0.9	1.0	0.8	1.6	1.7	24.3	23.2	152	1420	500	D-11	870	810
35	0.524	0.9	1.0	0.8	1.6	1.8	26.9	25.8	191	1790	500	D-12	1065	1010
50	0.387	1.0	1.0	0.8	1.6	1.8	30.1	29.0	240	2250	500	D-12	1350	1230
70	0.268	1.1	1.0	0.8	1.6	1.9	32.8	31.7	310	2950	500	D-14	1700	1630
95	0.193	1.1	1.2	0.8	2.0	2.1	38.2	36.7	431	4060	500	D-16	2400	2270
120	0.153	1.2	1.2	0.8	2.0	2.2	41.8	40.3	517	4920	500	D-18	2830	2700
150	0.124	1.4	1.4	0.8	2.5	2.3	46.4	44.5	662	6290	500	D-18	3550	3390
185	0.0991	1.6	1.4	0.8	2.5	2.4	50.8	48.9	786	7510	250	D-18	2210	2090
240	0.0754	1.7	1.4	0.8	2.5	2.6	56.9	55.0	981	9410	250	D-18	2690	2590
300	0.0601	1.8	1.6	0.8	2.5	2.7	61.8	59.5	119	11430	250	D-18	3220	3100
400	0.0470	2.0	1.6	0.8	2.5	2.9	69.2	66.9	149	14330	200	D-19	3300	3110



# S.M.C

\* Circular solid conductors (Class 1).

Conductors including 16 Sqmm circular stranded (Class 2).

25 Sqmm and above shaped stranded conductors (Class 2).

Cables conform to BS 5467 and generally to IEC 60502-1.

Drum size given above are for cables with extruded bedding