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Four Core Cables with reduced Neutral Cu/XLPE/PVC/SWA/PVC & Cu/XLPE/SWA/PVC 600/1000 V – FOUR CORES WITH REDUCED NEUTRAL

Copper Conductor XLPE Insulated Steel Wire Armored PVC Sheathed Cables
(CU/XLPE/PVC/SWA/PVC) & (CU/XLPE/SWA/PVC)



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		Approx. Cable		Standard Packing Length	Drum Size	Approx. Gross Weight	
Phase	Neutral	Phase	Neutral	Phase	Neutral	Extruded	Lapped			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	
10	6	1.83	3.08	0.7	0.7	1.0	-	1.25	1.8	22.0	-	1043	-	1000	D-14	1190	-
16	10	1.15	1.83	0.7	0.7	1.0	-	1.25	1.8	24.7	-	1360	-	1000	D-14	1510	-
25	16	0.727	1.15	0.9	0.7	1.0	0.8	1.6	1.8	26.6	25.3	1780	1650	500	D-12	1000	935
35	16	0.524	1.15	0.9	0.7	1.0	0.8	1.6	1.8	30.0	28.9	2200	2070	500	D-12	1210	1150
50	25	0.387	0.727	1.0	0.9	1.0	0.8	1.6	1.9	33.1	32.0	2780	2640	500	D-16	1600	1530
70	35	0.268	0.524	1.1	0.9	1.2	0.8	2.0	2.0	37.8	36.3	3890	3680	500	D-18	2190	2080
95	50	0.193	0.387	1.1	1.0	1.2	0.8	2.0	2.1	42.1	40.6	4970	4740	500	D-18	2730	2610
120	70	0.153	0.268	1.2	1.1	1.2	0.8	2.0	2.2	45.5	44.0	6020	5780	500	D-19	3330	3210
150	70	0.124	0.268	1.4	1.1	1.4	0.8	2.5	2.4	52.0	50.1	7680	7340	500	D-19	4160	3990
185	95	0.0991	0.193	1.6	1.1	1.4	0.8	2.5	2.5	56.7	54.8	9220	8860	250	D-18	2550	2460
240	120	0.0754	0.153	1.7	1.2	1.6	0.8	2.5	2.6	62.0	59.7	1390	1900	250	D-18	3090	2970
300	150	0.0601	0.124	1.8	1.4	1.6	0.8	2.5	2.8	67.8	65.5	3840	13310	250	D-18	3700	3570



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300*	185	0.0601	0.0991	1.8	1.6	-	0.8	2.5	2.8	-	65.9	-	13600	250	D-18	-	3660
300	185	0.0601	0.0991	1.8	1.6	1.6	0.8	2.5	2.8	67.8	65.5	14120	13600	250	D-18	3770	3640
400	185	0.0470	0.0991	2.0	1.6	1.6	0.8	2.5	3.0	75.0	72.7	17150	16620	200	D-19	3750	3640

All phase conductors up to 16 sqmm circular stranded (Class 2).

All phase conductors 25 Sqmm and above shaped stranded (Class).

All neutral conductors circular stranded (Class 2).

10 Sqmm and 16 Sqmm cables conform to IEC 60502 - 1

* Cable as per MEW Kuwait Specification. All other cables conform to BS 5467.

Drum size given above are for cables with extruded bedding.