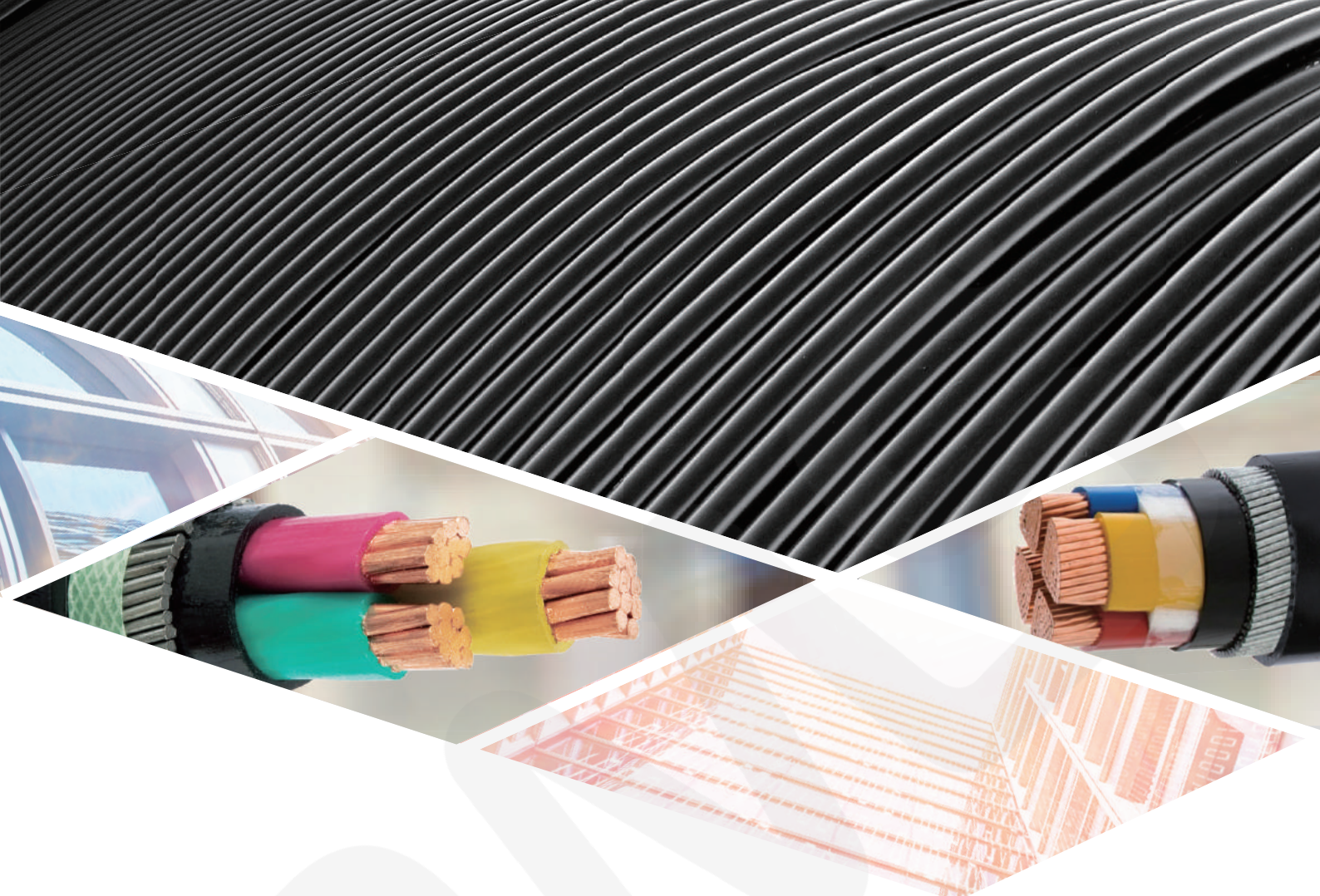




PRODUCT LOW VOLTAGE CABLE



ZMS Cable has a wide product scope, includes: power cable up to 500kV, AAC, AAAC, ACSR conductors, ABC cable, concentric cable, electric wire, instrument cable, telecommunications cable, stay wire, ect.

CONTENTS

INTRODUCTION	1
 600 / 1000 V	
SINGLE CORE CONDUCTOR PVC INSULATED PVC SHEATHED CABLES(CU/PVC/PVC)	4
SINGLE CORE COPPER CONDUCTOR XLPE INSULATED PVC SHEATHED CABLES(CU/XLPE/PVC)	5
SINGLE CORE ALUMINIUM CONDUCTOR PVC INSULATED ALUMINIUM WIRE ARMoured PVC SHEATHED CABLES(AL/PVC/PVC/AWA/PVC)	6
SINGLE CORE COPPER CONDUCTOR XLPE INSULATED ALUMINIUM WIRE ARMoured PVC (LSZH) SHEATHED CABLES(CU/XLPE/PVC(LSZH)/AWA/PVC(LSZH))	7
SINGLE CORE COPPER CONDUCTOR PVC INSULATED ALUMINIUM WIRE ARMoured PVC SHEATHED CABLES(CU/PVC/PVC/AWA/PVC)	8
TWO CORE COPPER CONDUCTOR PVC INSULATED PVC SHEATHED CABLES(CU/PVC/PVC)	9
TWO CORE COPPER CONDUCTOR XLPE INSULATED PVC SHEATHED CABLES(CU/XLPE/PVC)	10
TWO CORE COPPER CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(CU/PVC/PVC/SWA/PVC)	11
TWO CORE COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC(LSZH) SHEATHED CABLES[Cu/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]	12
TWO CORE ALUMINIUM CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(AL/PVC/PVC/SWA/PVC)	13
THREE CORE COPPER CONDUCTOR PVC INSULATED PVC SHEATHED CABLES(CU/PVC/PVC)	14
THREE CORE COPPER CONDUCTOR XLPE INSULATED PVC SHEATHED CABLES(CU/XLPE/PVC)	15
THREE CORE COPPER CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(CU/PVC/PVC/SWA/PVC)	16
THREE CORE COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES[Cu/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]	17
THREE CORE COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES (CU/XLPE/PVC/SWA/PVC)	18

FOUR CORE COPPER CONDUCTOR PVC INSULATED PVC SHIEATHED CABLES(CU/PVC/PVC)	19
FOUR CORE COPPER CONDUCTOR XLPE INSULATED PVC SHIEATHED CABLES(CU/XLPE/PVC)	20
FOUR CORE COPPER CONDUCTOR XLPE INSULATED PVC SHIEATHED CABLES(CU/XLPE/LSZH)	21
FOUR CORE WITH REDUCED NEUTRAL COPPER CONDUCTOR XLPE INSULATED LSZH SHEATHED CABLES(CU/XLPE/LSZH)	22
FOUR CORE WITH REDUCED NEUTRAL COPPER CONDUCTOR XLPE INSULATED PVC SHEATHED CABLES(CU/XLPE/PVC)	23
FOUR CORE WITH REDUCED NEUTRAL COPPER CONDUCTOR PVC INSULATED PVC SHEATHED CABLES(CU/PVC/PVC)	24
FOUR CORE ALUMINUM CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(AL/PVC/PVC/SWA/PVC)	25
FOUR CORE ALUMINIUM CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(AL/XLPE/PVC/SWA/PVC)	26
FOUR CORE WITH REDUCED NEUTRAL COPPER CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(CU/PVC/PVC/SWA/PVC)	27
FOUR CORE WITH REDUCED NEUTRAL COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(CU/XLPE/PVC/SWA/PVC)	28
FOUR CORE COPPER CONDUCTOR XLPE STEEL WIRE ARMoured PVC(LSZH) SHEATHED CABLES[CU/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]	29
FOUR CORE COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(CU/XLPE/PVC/SWA/PVC)	30
FOUR CORE COPPER CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES(CU/PVC/PVC/SWA/PVC)	31
FOUR CORE WITH REDUCED NEUTRAL COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC(LSZH) SHEATHED CABLES[CU/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]	32
FOUR CORE WITH REDUCED NEUTRAL ALUMINIUM CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC(LSZH) SHEATHED CABLES[CU/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]	33
FIVE CORE COPPER CONDUCTOR XLPE INSULATED PVC(PE) SHIEATHED CABLES[CU/XLPE/PVC(PE)]	34
FIVE CORE COPPER CONDUCTOR XLPE STEEL WIRE ARMoured PVC(PE/LZSH) SHEATHED CABLES[CU/XLPE/PVC/SWA/PVC(PE)]/(CU/XLPE/LSZH/SWA/LSZH)]	35
MULTICORE CABLES FOR STREET LIGHTING COPPER CONDUCTOR PVC INSULATED PVC SHEATHED CABLES(CU/PVC/PVC)	36
DRUM SIZE AND DIMENSIONS	38

INTRODUCTION

ZMS Cable Company's head office and warehouse are situated in the capital of Henan province, in Zhengzhou.

ZMS Cable is the earliest private enterprise in Henan(China) cable business. Our cables are manufactured using the most up-to-date technology. Modern production facilities are backed by a highly qualified work force and experienced engineers, who ensure that only cable of the highest quality leaves our factories.

- Our customers will receive superior value
- Our shareholders will receive ever exceeding returns on their investments
- Our business partners will share our success
- Our employees will prosper

Our product range includes general building wires, data and telecommunications cables, industrial rubber cables, overhead conductors together with power cables up to, and including, 500KV.

We constantly get updates and feedbacks on their stated / implied needs and problems. Based on this information we have devised new modalities to provide better service to our valued customers. Thus we not only provide Quality Products but also offer a host of related services before and after the sale.

Cables are manufactured strictly in accordance with the appropriate GB (China) Standard Specifications and to IEC, CE and UL standards and are approved by the relevant Classifications Institutions. Full traceability is maintained by strict adherence to quality policies compliant with ISO9001/2, whilst environmental policies will be maintained by compliance with ISO14001 in no time.

PRODUCTS

HIGH Voltage power Cables upto 500Kv

Medium Voltage Power Cables up to 19/33(36) Kv

Low Voltage Power Cables up to 600/1000V

Control Cables 600/1000V

Bare Conductors for Overhead Lines

Earthing Conductors

PVC or XLPE Insulated Conductors

Domestic Applications / Internal Wiring

LSFH Cables & Wires

Enamelled Wires

Telephone, communication & Instrumentation Cables

QUALITY

Quality has always been our top priority and to meet customer's expectation has been our prime objective; the very basis on which we earned the confidence of our clientele. It is this concern and commitment rather than just sell of product, has given us a distinct image and competitive advantage.

ISO 9001:2008 CERTIFIED BY RWTTV GERMANY

ISO 9001:2008 CERTIFIED BY SGS

ISO 14001:2009

BASIC RANGE OF CERTIFICATES

We ZMS Cables always aim for the best. Among the Cable manufacturers in China, we stand out with ISO 9001 which recognizes our ability for Design and Development as well.

As a philosophy our commitment to Customers does not end with a sale. We also offer a host of related services before and after the sale. These include :

- Application engineering service for selection of appropriate product best suited to the end use.
- An extensive range of cables single core wires flexible cords bare and insulated conductors manufactured to stringent Quality standards going beyond international specifications.
- Design and Development of products tailored to meet specific requirements of the application.
- To help the customers understand the product intricacies and its performance levels.

NOTE 1 :

THE TABULATIONS ON SUBSEQUENT PAGES FURNISH OVERALL DIMENSIONS, NET AND GROSS WEIGHTS AND DRUM DIMENSIONS. PLEASE NOTE THAT THESE ARE "APPROXIMATE" VALUES. THEY HAVE BEEN FURNISHED FOR GENERAL GUIDELINES AND INTENDED TO BE USED FOR THUMB RULE ESTIMATIONS / FREIGHT CALCULATIONS.

NOTE 2 :

THE FOLLOWING LIST TABULATES ONLY THE "STANDARD" PRODUCTS. FOR ANY PRODUCT NOT LISTED BELOW, PLEASE DO NOT HESITATE TO CONTACT OUR SALES AND MARKETING DIVISION. WE SHALL BE TOO PLEASED TO MEET YOUR SPECIFIC REQUIREMENTS.

PRODUCTION**LOW VOLTAGE POWER CABLES 600/1000 V**

- PVC insulated PVC sheathed armoured/unarmoured cables
- XLPE insulated PVC sheathed armoured/unarmoured cables
- PVC or XLPE Insulated PVC Sheathed Armoured/Unarmoured Cables

CONTROL CABLES 600/1000 V

- PVC or XLPE insulated PVC sheathed armoured/unarmoured Cables up to 61 cores.

STANDARD

BS 6346 / IEC 60502

BS 5467 / IEC 60502

BS 6346 | BS 5467 / IEC 60502

BS 6346 | BS 5467 | IEC 60502



600/1000V - SINGLE CORE CONDUCTOR PVC
INSULATED PVC SHEATHED CABLES (CU/PVC/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Yard Metre±10%		KG
1.5*	12.1	0.8	1.4	6.4	58	100Y	COIL	5.3
1.5	12.1	0.8	1.4	6.6	62	100Y	COIL	5.7
2.5*	7.41	0.8	1.4	6.8	71	100Y	COIL	6.5
2.5	7.41	0.8	1.4	7.0	75	100Y	COIL	6.9
4.0	4.61	1.0	1.4	7.9	100	100Y	COIL	9.1
6.0	3.08	1.0	1.4	8.5	125	100Y	COIL	11.4
10	1.83	1.0	1.4	9.2	170	100Y	COIL	15.5
16	1.15	1.0	1.4	10.3	235	100Y	COIL	21.0
25	0.727	1.2	1.4	12.0	345	1000M	D-10	405
35	0.524	1.2	1.4	13.1	445	1000M	D-10	505
50	0.387	1.4	1.4	14.6	585	500M	D-8	340
70	0.268	1.4	1.4	16.2	795	500M	D-9	460
95	0.193	1.6	1.5	18.7	1090	500M	D-10	610
120	0.153	1.6	1.5	20.2	1330	500M	D-10	730
150	0.124	1.8	1.6	22.2	1650	500M	D-11	930
185	0.0991	2.0	1.7	24.4	2020	500M	D-12	1120
240	0.0754	2.2	1.8	27.5	2600	500M	D-12	1410
300	0.0601	2.4	1.9	30.1	3230	500M	D-14	1770
400	0.0470	2.6	2.0	33.6	4140	500M	D-16	2280
500	0.0366	2.8	2.1	37.4	5200	500M	D-18	1790
630	0.0283	2.8	2.2	43.2	6660	250M	D-14	1820
800	0.0221	2.8	2.3	47.4	8340	250M	D-16	2340
1000	0.0176	3.0	2.5	53.6	10600	250M	D-18	2890

* Circular solid conductors (Class 1).

All other conductors circular stranded or circular stranded compacted (Class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC Type 9 / ST2 compound OR PVC Type A/T1 compound and sheathed with PVC Type ST1/TM1 compound.

Cables conform to IEC 60502 and generally to BS standard. Colour of insulation and sheath Black.



600/1000V - SINGLE CORE COPPER CONDUCTOR
XLPE INSULATED PVC SHEATHED CABLES (CU/XLPE/
PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Yard Metre±10%		KG
1.5*	12.1	0.7	1.4	6.5	57	100Y	COIL	5.2
1.5	12.1	0.7	1.4	6.7	60	100Y	COIL	5.6
2.5*	7.41	0.7	1.4	6.9	69	100Y	COIL	6.4
2.5	7.41	0.7	1.4	7.1	72	100Y	COIL	6.7
4	4.61	0.7	1.4	7.6	90	100Y	COIL	8.3
6	3.08	0.7	1.4	8.2	115	100Y	COIL	10.6
10	1.83	0.7	1.4	8.9	160	100Y	COIL	14.7
16	1.15	0.7	1.4	10.0	220	1000M	D-8	270
25	0.727	0.9	1.4	11.6	320	1000M	D-9	380
35	0.524	0.9	1.4	12.7	420	1000M	D-9	480
50	0.387	1.0	1.4	14.0	550	1000M	D-10	610
70	0.268	1.1	1.4	15.8	760	1000M	D-11	860
95	0.193	1.1	1.5	17.9	1030	500M	D-9	575
120	0.153	1.2	1.5	19.6	1270	500M	D-10	695
150	0.124	1.4	1.6	21.6	1580	500M	D-10	850
185	0.0991	1.6	1.7	23.6	1920	500M	D-11	1060
240	0.0754	1.7	1.8	26.5	2470	500M	D-12	1350
300	0.0601	1.8	1.9	28.9	3080	500M	D-12	1650
400	0.047	2.0	2	32.4	3960	500M	D-16	2190
500	0.0366	2.2	2.1	36.0	4970	500M	D-18	2730
630	0.0283	2.4	2.2	42.4	6420	500M	D-18	3450
800	0.0221	2.6	2.3	47.0	8090	250M	D-16	2240
1000	0.0176	2.8	2.5	53.0	10280	250M	D-18	2810

* Circular solid conductors (Class 1).

All other conductors circular stranded or circular stranded compacted (Class 2).

Cables upto and including 35 sqmm conform to IEC 60502.

Cables conform to IEC 60502 and generally to BS standard..

Colour of insulation is natural colour.



600/1000V - SINGLE CORE ALUMINIUM CONDUCTOR
PVC INSULATED ALUMINIUM WIRE ARMoured PVC
SHEATHED CABLES (AL/PVC/PVC/AWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Extruded Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	mm	mm	Kg/Km	Yard Metre±10%		KG
50	0.641	1.4	1.0	1.6	1.8	20.6	580	500	D-10	350
70	0.443	1.4	1.0	1.6	1.8	22.4	700	500	D-11	450
95	0.320	1.6	1.0	1.6	1.8	24.6	845	500	D-12	535
120	0.253	1.6	1.0	1.6	1.8	26.0	955	500	D-12	590
150	0.206	1.8	1.0	1.6	1.8	27.8	1100	500	D-12	660
185	0.164	2.0	1.0	1.6	1.8	29.9	1280	500	D-12	750
240	0.125	2.2	1.0	1.6	1.9	36.7	1560	500	D-16	990
300	0.100	2.4	1.2	2.0	2.0	36.3	1970	500	D-18	1230
400	0.0778	2.6	1.2	2.1	2.1	40.2	2370	500	D-18	1430
500	0.0605	2.8	1.2	2.0	2.2	43.9	2830	500	D-18	1660
630	0.0469	2.8	1.2	2.0	2.4	50.4	3570	250	D-18	1130
800	0.0367	2.8	1.4	2.5	2.5	56.3	4480	250	D-18	1360
1000	0.0291	3.0	1.4	2.5	2.7	61.6	5410	250	D-18	1590

All conductors circular stranded or circular stranded compacted(class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC Type 9/ST2 compound OR PVC Type A/TI1 compound and sheathed with PVC Type ST1/TM1 compound.

Colour of insulation and sheath black.

Cables conform to IEC 60502 and generally to BS standard..

*Wire diameter are larger than those specified in BS standard.



600/1000V - SINGLE CORE COPPER CONDUCTOR
XLPE INSULATED ALUMINIUM WIRE ARMoured
PVC(LSZH) SHEATHED CABLES [CU/XLPE/
PVC(LSZH)/AWA/PVC(LSZH)]

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Extruded Bedding	Dia. of Armour Wire	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	mm	mm	Kg/Km	Yard Metre±10%		KG
50	0.387	1.0	1.0	1.25	1.8	19.1	775	500	D-10	445
70	0.268	1.1	1.0	1.25	1.8	20.9	1000	500	D-10	560
95	0.193	1.1	1.0	1.25	1.8	22.7	1300	500	D-11	750
120	0.153	1.2	1.0	1.6	1.8	25.2	1620	500	D-12	890
150	0.124	1.4	1.0	1.6	1.8	27.0	1940	500	D-12	1070
185	0.0991	1.6	1.0	1.6	1.8	29.0	2300	500	D-12	1260
240	0.0754	1.7	1.0	1.6	1.9	31.9	2910	500	D-14	1610
300	0.0601	1.8	1.0	1.6	1.9	34.1	3530	500	D-16	1980
400	0.0470	2.0	1.2	2.0	2.1	39.0	4610	500	D-18	2550
500	0.0366	2.2	1.2	2.0	2.2	42.6	5690	500	D-18	3080
630	0.0283	2.4	1.2	2.0	2.2	47.0	7150	250	D-16	2000
800	0.0221	2.6	1.4	2.5	2.5	55.5	9200	250	D-18	2540
1000	0.0176	2.8	1.4	2.5	2.5	61.2	11580	250	D-18	3140

* Circular stranded or circular stranded compacted conductors (Class 2).

*Cables upto and including 120sqmm conform to IEC 60502.

Cables conform to IEC 60502 and generally to BS standard.

Colour of insulation is natural colour.



600/1000V - SINGLE CORE COPPER CONDUCTOR
PVC INSULATED ALUMINIUM WIRE ARMoured PVC
SHEATHED CABLES (CU/PVC/PVC/AWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Extruded Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	mm	mm	Kg/km	Yard Metre±10%		KG
50	0.387	1.4	1.0	1.25	1.8	19.9	820	500	D-10	470
70	0.268	1.4	1.0	1.25	1.8	21.5	1060	500	D-10	590
95	0.193	1.6	1.0	1.25	1.8	23.8	1380	500	D-11	790
120	0.153	1.6	1.0	1.6	1.8	26	1680	500	D-12	955
150	0.124	1.8	1.0	1.6	1.8	27.8	2030	500	D-12	1125
185	0.0991	2.0	1.0	1.6	1.8	29.8	2420	500	D-12	1320
240	0.0754	2.2	1.0	1.6	1.9	32.9	3050	500	D-16	1740
		2.4	1.0	2.0	2.0	36.3	3800	500	D-16	2110
400	0.0470	2.6	1.2	2.0	2.1	40.2	4810	500	D-18	2650
		2.8	1.2	2.0	2.2	43.8	5920	500	D-18	3200
630	0.0283	2.8	1.2	2.0	2.4	49.8	7420	250	D-16	2065
		2.8	1.4	2.5	2.5	55.4	9500	250	D-18	2610
1000	0.0176	3.0	1.4	2.5	2.6	61.6	11880	250	D-18	3215

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC Type 9/ ST2 compound OR PVC Type A/Til compound and sheathed with PVC Type ST1/TM1 compound.

Colour of insulation and sheath black.

Cables conform to IEC 60502 and generally to BS standard..



600/1000V - TWO CORE COPPER CONDUCTOR PVC
INSULATED PVC SHEATHED CABLES (CU/PVC/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.8	1.8	11.0	160	1000	D-8	210
1.5	12.1	0.8	1.8	11.4	170	1000	D-8	220
2.5*	7.41	0.8	1.8	11.8	190	1000	D-8	240
2.5	7.41	0.8	1.8	12.2	200	1000	D-9	260
4	4.61	1.0	1.8	14.0	280	1000	D-10	340
6	3.08	1.0	1.8	15.2	345	1000	D-10	405
10	1.83	1.0	1.8	17.2	470	1000	D-11	570
16	1.15	1.0	1.8	19.2	630	1000	D-12	740
25**	0.727	1.2	1.8	22.7	930	500	D-11	565
35**	0.524	1.2	1.8	24.9	1190	500	D-12	705
50**	0.387	1.4	1.8	27.9	1340	500	D-12	780
70**	0.268	1.4	1.9	31.3	1810	500	D-14	1060
95**	0.193	1.6	2.0	36.1	2450	500	D-18	1470
120**	0.153	1.6	2.1	39.3	2990	500	D-18	1740
150**	0.124	1.8	2.2	43.1	3680	500	D-18	2080
185**	0.0991	2.0	2.4	47.5	4500	500	D-19	2570
240**	0.0754	2.2	2.6	53.7	5770	250	D-18	1650
300**	0.0601	2.4	2.7	58.7	7150	250	D-18	2030
400**	0.0470	2.6	3.0	65.9	9140	250	D-18	2530
500**	0.0366	2.8	3.2	73.1	11370	250	D-21	3260

*Circular solid conductors (Class 1).

All conductors circular stranded or circular stranded compacted (Class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC Type 9/ST2 compound OR PVC Type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

**Cables with sector shaped conductors, having lesser overall dimensions, weight and cost are available on request.



600/1000V - TWO CORE COPPER CONDUCTOR XLPE
INSULATED PVC SHEATHED CABLES (CU/XLPE/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.7	1.8	10.6	150	1000	D-8	200
1.5	12.1	0.7	1.8	11.0	160	1000	D-8	210
2.5*	7.41	0.8	1.8	11.8	190	1000	D-8	240
2.5	7.41	0.8	1.8	12.2	200	1000	D-9	260
4	4.61	1.0	1.8	13.2	255	1000	D-10	315
6	3.08	1.0	1.8	14.4	320	1000	D-10	380
10	1.83	1.0	1.8	16.6	460	1000	D-11	560
16	1.15	1.0	1.8	18.8	620	1000	D-12	730
25**	0.727	1.2	1.8	22.2	910	500	D-11	555
35**	0.524	1.2	1.8	24.4	1160	500	D-12	690
50**	0.387	1.4	1.8	27.9	1340	500	D-12	780
70**	0.268	1.4	1.9	31.3	1810	500	D-14	1060
95**	0.193	1.6	2.0	36.1	2450	500	D-18	1470
120**	0.153	1.6	2.1	39.3	2990	500	D-18	1740
150**	0.124	1.8	2.2	43.1	3680	500	D-18	2080
185**	0.0991	2.0	2.4	47.5	4500	500	D-19	2570
240**	0.0754	2.2	2.5	53.5	5770	500	D-18	1650
300**	0.0601	2.4	2.7	58.7	7150	500	D-18	2030
400**	0.0470	2.6	2.9	65.7	9140	500	D-18	2530

*Circular solid conductors(class 1)

All conductors circular or circular stranded compacted(class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC Type 9/ST2 compound OR PVC Type A/TI1 compound and sheathed with PVC Type ST1/TM1 compound.

Cables conform to IEC 60502 and generally to BS standard..

*Cables with sector shaped conductors, having lesser overall dimensions , weight and cost are available on request.



600/1000V - TWO CORE COPPER CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES (CU/PVC/PVC/SWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Extruded Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.8	1.0	0.9	1.8	14.4	370	1000	D-10	430
1.5	12.1	0.8	1.0	0.9	1.8	14.8	380	1000	D-10	440
2.5*	7.41	0.8	1.0	0.9	1.8	15.2	420	1000	D-10	480
2.5	7.41	0.8	1.0	0.9	1.8	15.6	435	1000	D-10	495
4	4.61	1.0	1.0	0.9	1.8	17.4	540	1000	D-11	640
6	3.08	1.0	1.0	1.25	1.8	19.3	730	1000	D-12	840
10	1.83	1.0	1.0	1.25	1.8	21.3	900	1000	D-14	1050
16	1.15	1.0	1.0	1.25	1.8	23.3	1120	1000	D-14	1270
25**	0.727	1.2	1.0	1.6	1.8	27.5	1660	500	D-12	940
35**	0.524	1.2	1.0	1.6	1.8	29.7	1970	500	D-14	1135
50**	0.387	1.4	1.0	1.6	1.9	32.7	2230	500	D-16	1330
70**	0.268	1.4	1.0	2.0	2.0	36.9	3000	500	D-18	1740
95**	0.193	1.6	1.2	2.0	2.2	42.3	3890	500	D-18	2200
120**	0.153	1.6	1.2	2.0	2.3	45.5	4580	500	D-18	2530
150**	0.124	1.8	1.2	2.5	2.4	50.3	5780	500	D-19	3210
185**	0.0991	2.0	1.4	2.5	2.6	55.1	6890	250	D-18	1960
240**	0.0754	2.2	1.4	2.5	2.8	61.3	8430	250	D-18	2350
300**	0.0601	2.4	1.6	2.5	2.9	66.7	10140	250	D-19	2850
400**	0.0470	2.6	1.6	2.5	3.2	73.9	12500	250	D-21	3540
500**	0.0366	2.8	1.8	3.15	3.4	82.8	16120	250	D-22	4500

*Circular solid conductors (Class 1).

All other conductors Circular stranded or circular stranded compacted (Class 2).

All the cables are Insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC Type 9/ ST2 compound OR PVC Type A/TII compound and sheathed with PVC Type ST1/TM1 compound.

Cables conform to IEC 60502 and generally to BS standard.

* * cables with sector shaped conductors having lesser overall dimensions, weight and cost are available on request.



600/1000V - TWO CORE COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC(LSZH) SHEATHED CABLES [CU/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Extruded Bedding	Dia. of Armour Wire	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.7	1.0	0.9	1.8	14.2	355	1000	D-10	415
1.5	12.1	0.7	1.0	0.9	1.8	14.6	370	1000	D-10	430
2.5*	7.41	0.7	1.0	0.9	1.8	15.0	400	1000	D-10	460
2.5	7.41	0.7	1.0	0.9	1.8	15.4	415	1000	D-10	475
4	4.61	0.7	1.0	0.9	1.8	16.4	480	1000	D-11	580
6	3.08	0.7	1.0	0.9	1.8	17.6	570	1000	D-11	670
10	1.83	0.7	1.0	1.25	1.8	20.3	820	1000	D-12	930
16	1.15	0.7	1.0	1.25	1.8	22.3	1030	1000	D-14	1180
25	0.727	0.9	1.0	1.6	1.8	26.3	1530	1000	D-16	1740
35	0.524	0.9	1.0	1.6	1.8	28.5	1840	500	D-18	2080
50	0.387	1.0	1.0	1.6	1.8	30.9	2070	500	D-14	1190
70	0.268	1.1	1.0	1.6	2.0	34.9	2670	500	D-16	1545
95	0.193	1.1	1.2	2.0	2.1	40.1	3660	500	D-18	2070
120	0.153	1.2	1.2	2.0	2.2	43.7	4350	500	D-18	2420
150	0.124	1.4	1.2	2.0	2.3	47.5	5160	500	D-19	2900
185	0.0991	1.6	1.4	2.5	2.5	53.3	6600	250	D-18	1895
240	0.0754	1.7	1.4	2.5	2.7	59.1	8100	250	D-18	2270
300	0.0601	1.8	1.6	2.5	2.8	64.1	9660	250	D-18	2660
400	0.0470	2.0	1.6	2.5	3.1	73.3	12000	250	D-21	3425
500	0.0366	2.2	1.6	3.15	3.3	79.8	15500	250	D-23	4375

*Circular solid conductors (Class 1).

All other conductors Circular stranded or circular stranded compacted (Class 2).

Cables conform to IEC 60502 and generally to BS standard.



600/1000V - TWO CORE ALUMINUM CONDUCTOR
PVC INSULATED STEEL WIRE ARMoured PVC
SHEATHED CABLES (AL/PVC/PVC/SWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding	Armour Wire Diameter	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	mm	mm	Kg/Km	Metre±10%		KG
16	1.91	1.0	1.0	1.25	1.8	22.9	915	1000	D-14	1070
25	12.0	1.2	1.0	1.6	1.8	27.0	1330	500	D-12	7750
35	0.868	1.2	1.0	1.6	1.8	29.2	1540	500	D-12	880
50	0.641	1.4	1.0	1.6	1.9	32.9	1680	500	D-16	1050
70	0.443	1.4	1.2	2.0	2.0	37.7	2300	500	D-18	1390
95	0.320	1.6	1.2	2.0	2.2	42.5	2790	500	D-18	1640
120	0.253	1.6	1.2	2.0	2.3	45.5	3150	500	D-19	1900
150	0.206	1.8	1.4	2.5	2.4	50.7	4060	500	D-19	2350
185	0.164	2.0	1.4	2.5	2.6	55.2	4710	250	D-18	1420
240	0.125	2.2	1.6	2.5	2.8	61.9	5700	250	D-18	1670
300	0.100	2.4	1.6	2.5	2.9	66.8	6530	250	D-19	1870
400	0.0778	2.6	1.6	2.5	3.2	74.3	7830	250	D-21	2380
500	0.0605	2.8	1.8	3.15	3.4	83.0	10170	200	D-22	2500

All conductors circular stranded or circular stranded compacted (Class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC Type 9/ST2 compound OR PVC Type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Cables conform to IEC 60502 and generally to BS standard.



600/1000V - THREE CORE COPPER CONDUCTOR
PVC INSULATED PVC SHEATHED CABLES (CU/PVC/
PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.8	1.8	11.5	180	1000	D-9	240
1.5	12.1	0.8	1.8	11.9	190	1000	D-9	250
2.5*	7.41	0.8	1.8	12.4	225	1000	D-9	285
2.5	7.41	0.8	1.8	12.8	235	1000	D-9	295
4	4.61	1.0	1.8	14.8	330	1000	D-10	390
6	3.08	1.0	1.8	16.0	410	1000	D-11	510
10	1.83	1.0	1.8	18.2	560	1000	D-12	670
16	1.15	1.0	1.8	20.4	775	1000	D-12	885
25	0.727	1.2	1.8	21.2	1050	500	D-10	585
35	0.524	1.2	1.8	23.5	1360	500	D-11	780
50	0.387	1.4	1.8	27.1	1760	500	D-12	990
70	0.268	1.4	2.0	29.7	2390	500	D-12	1310
95	0.193	1.6	2.1	34.5	3240	500	D-16	1830
120	0.153	1.6	2.2	37.7	3990	500	D-18	2240
150	0.124	1.8	2.3	40.4	4900	500	D-18	2690
185	0.0991	2.0	2.5	45.1	6040	250	D-18	1720
240	0.0754	2.2	2.7	51.6	7820	250	D-18	2195
300	0.0601	2.4	2.8	56.1	9660	250	D-18	2660
400	0.0470	2.6	3.1	63.7	12410	250	D-18	3340
500	0.0366	2.8	3.4	69.1	15480	250	D-18	4110

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Cables 10sqmm to 400sqmm conform generally to BS standard.

500sqmm cable conforms to IEC 60502.



600/1000V - THREE CORE COPPER CONDUCTOR
XLPE INSULATED PVC SHEATHED CABLES (CU/
XLPE/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.7	1.8	11.1	170	1000	D-8	220
1.5	12.1	0.7	1.8	11.5	180	1000	D-9	240
2.5*	7.41	0.8	1.8	11.9	225	1000	D-9	285
2.5	7.41	0.8	1.8	12.4	235	1000	D-9	295
4	4.61	0.8	1.8	13.9	300	1000	D-10	360
6	3.08	0.8	1.8	16.2	380	1000	D-11	480
10	1.83	1.0	1.8	17.6	560	1000	D-12	670
16	1.15	1.0	1.8	19.9	775	1000	D-12	885
25	0.727	1.2	1.8	21.2	1050	500	D-10	585
35	0.524	1.2	1.8	23.5	1360	500	D-11	780
50	0.387	1.4	1.8	27.1	1760	500	D-12	990
70	0.268	1.4	2.0	29.7	2390	500	D-12	1310
95	0.193	1.6	2.1	34.5	3240	500	D-16	1830
120	0.153	1.6	2.2	37.7	3990	500	D-18	2240
150	0.124	1.8	2.3	40.4	4900	500	D-18	2690
185	0.0991	2.0	2.5	45.1	6040	500	D-16	1720
240	0.0754	2.2	2.6	51.4	7740	250	D-18	2180
300	0.0601	2.4	2.8	56.1	9660	250	D-18	2660
400	0.0470	2.6	3.1	63.7	12410	250	D-18	3340
500	0.0366	2.8	3.4	69.1	15480	250	D-18	4110

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Cables 10sqmm to 400sqmm conform generally to BS standard.

500sqmm cable conforms to IEC 60502.



600/1000V - THREE CORE COPPER CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES (CU/PVC/PVC/SWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Dia. of Armour 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		Metre±10%		KG	
15*	12.1	0.8	1.0	-	0.9	1.8	14.9	-	400	-	1000	D-10	460	-
15	12.1	0.8	1.0	-	0.9	1.8	15.3	-	420	-	1000	D-11	520	-
25*	7.41	0.8	1.0	-	0.9	1.8	15.8	-	460	-	1000	D-11	560	-
25	7.41	0.8	1.0	-	0.9	1.8	16.2	-	480	-	1000	D-11	580	-
4	4.61	1.0	1.0	-	0.9	1.8	18.9	-	705	-	1000	D-12	815	-
6	3.08	1.0	1.0	-	1.25	1.8	20.1	-	820	-	1000	D-12	930	-
10	1.83	1.0	1.0	-	1.25	1.8	22.3	-	1030	-	1000	D-14	1180	-
16	1.15	1.0	1.0	-	1.25	1.8	24.5	-	1300	-	1000	D-14	1450	-
25	0.727	1.2	1.0	0.8	1.6	1.8	25.8	24.7	1680	1590	500	D-12	950	905
35	0.524	1.2	1.0	0.8	1.6	1.8	28.1	27.0	2050	1950	500	D-12	1140	1085
50	0.387	1.4	1.0	0.8	1.6	2.0	32.1	31.0	2630	2485	500	D-14	1470	1395
70	0.268	1.4	1.2	0.8	2.0	2.1	35.7	34.2	3590	3385	500	D-16	2005	1905
95	0.193	1.6	1.2	0.8	2.0	2.2	40.5	39.0	4610	4380	500	D-18	2545	2430
120	0.153	1.6	1.2	0.8	2.0	2.3	43.7	42.2	5500	5280	500	D-18	2990	2880
150	0.124	1.8	1.4	0.8	2.5	2.5	48.0	46.1	6900	6625	500	D-19	3770	3630
185	0.0991	2.0	1.4	0.8	2.5	2.7	52.7	50.8	8300	7960	250	D-18	2315	2230
240	0.0754	2.2	1.6	0.8	2.5	2.9	59.6	57.3	130380	9985	250	D-18	2835	2735
300	0.0601	2.4	1.6	0.8	2.5	3.1	64.3	62.0	12540	12025	250	D-19	3455	3325
400	0.0470	2.6	1.6	0.8	2.5	3.4	73.2	70.9	16280	15805	200	D-19	3580	3480
500	0.0366	2.8	1.8	0.8	3.15	3.6	78.8	76.1	19910	19065	200	D-19	4300	4135

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/T1 compound and sheathed with PVC Type ST1/TM1 compound.

Drum size given above are for cables with extruded bedding. Cables conform to IEC 60502 and generally to BS standard.



600/1000V - THREE CORE COPPER CONDUCTOR
XLPE STEEL WIRE ARMoured PVC SHEATHED
CABLES [CU/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Dia. of Armour 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		Metre±10%		KG	
15*	12.1	0.7	0.8	-	0.9	1.3	13.3	-	330	-	1000	D-10	390	-
15	12.1	0.7	0.8	-	0.9	1.3	13.7	-	350	-	1000	D-10	410	-
25*	7.41	0.7	0.8	-	0.9	1.4	14.4	-	390	-	1000	D-10	450	-
25	7.41	0.7	0.8	-	0.9	1.4	14.8	-	415	-	1000	D-10	475	-
4	4.61	0.7	0.8	-	0.9	1.4	15.9	-	490	-	1000	D-11	590	-
6	3.08	0.7	0.8	-	0.9	1.4	17.2	-	580	-	1000	D-12	690	-
10	1.83	0.7	0.8	-	1.25	1.5	19.6	-	850	-	1000	D-12	960	-
16	1.15	0.7	0.8	-	1.25	1.6	22.2	-	1110	-	1000	D-14	1260	-
25	0.727	0.9	1.0	0.8	1.6	1.7	24.3	23.2	1520	1420	500	D-11	870	810
35	0.524	0.9	1.0	0.8	1.6	1.8	26.9	25.8	1910	1790	500	D-12	1065	-
50	0.387	1.0	1.0	0.8	1.6	1.8	30.1	29.0	2400	2250	500	D-12	1350	1230
70	0.268	1.1	1.0	0.8	1.6	1.9	32.8	31.7	3100	2950	500	D-14	1700	-
95	0.193	1.1	1.2	0.8	2.0	2.1	38.2	36.7	4310	4060	500	D-16	2400	2270
120	0.153	1.2	1.2	0.8	2.0	2.2	41.8	40.3	5170	4920	500	D-18	2830	-
150	0.124	1.4	1.4	0.8	2.5	2.3	46.4	44.5	6620	6290	500	D-18	3550	3390
185	0.0991	1.6	1.4	0.8	2.5	2.4	50.8	48.9	7860	7510	250	D-18	2210	-
240	0.0754	1.7	1.4	0.8	2.5	2.6	56.9	55.0	9810	9410	250	D-18	2690	2590
300	0.0601	1.8	1.6	0.8	2.5	2.7	61.8	59.5	11910	11430	250	D-18	3220	-
400	0.0470	2.0	1.6	0.8	2.5	2.9	69.2	66.9	14910	14330	250	D-19	3300	3110

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

Cables conform to IEC 60502 and generally to BS standard.

Drum size given above are for cables with extruded bedding.



600/1000V - THREE CORE COPPER CONDUCTOR
XLPE INSULATED STEEL WIRE ARMoured PVC
SHEATHED CABLES (CU/XLPE/PVC/SWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Dia. of Armour 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		Metre±10%		KG	
15*	12.1	0.7	0.8	-	0.9	1.4	13.3	-	340	-	1000	D-10	400	-
15	12.1	0.7	0.8	-	0.9	1.4	13.7	-	355	-	1000	D-10	415	-
25*	7.41	0.8	0.8	-	0.9	1.4	14.6	-	415	-	1000	D-10	475	-
25	7.41	0.8	0.8	-	0.9	1.4	15.0	-	435	-	1000	D-10	495	-
4	4.61	0.8	0.8	-	0.9	1.4	16.1	-	515	-	1000	D-11	615	-
6	3.08	0.8	0.8	-	1.25	1.5	18.3	-	720	-	1000	D-12	830	-
10	1.83	1.0	0.8	-	1.25	1.6	20.9	-	960	-	1000	D-12	1070	-
16	1.15	1.0	0.8	-	1.25	1.6	23.2	-	1240	-	1000	D-14	1390	-
25	0.727	1.2	1.0	0.8	1.6	1.7	25.6	24.5	1670	1550	500	D-12	945	858
35	0.524	1.2	1.0	0.8	1.6	1.8	28.1	27.0	2050	1920	500	D-12	1140	1070
50	0.387	1.4	1.0	0.8	1.6	1.9	31.9	30.8	2610	2460	500	D-14	1460	1380
70	0.268	1.4	1.2	0.8	2.0	2.0	35.5	34.0	3570	3360	500	D-16	2030	1890
95	0.193	1.6	1.2	0.8	2.0	2.1	40.3	38.8	4590	4360	500	D-18	2540	2420
120	0.153	1.6	1.2	0.8	2.0	2.2	43.5	42.0	5480	5230	500	D-18	2980	2860
150	0.124	1.8	1.4	0.8	2.5	2.4	47.8	45.9	6940	6600	500	D-19	3790	3620
185	0.0991	2.0	1.4	0.8	2.5	2.5	52.3	50.4	8270	7900	250	D-18	2310	2220
240	0.0754	2.2	1.6	0.8	2.5	2.6	59	56.7	10330	9870	250	D-18	2820	2710
300	0.0601	2.4	1.6	0.8	2.5	2.8	63.7	61.4	12480	11950	250	D-18	3360	3230
400	0.0470	2.6	1.6	0.8	2.5	3.0	71.1	68.8	15560	14970	250	D-19	3430	3310
500	0.0366	2.8	1.8	0.8	3.15	3.6	78.8	76.1	19910	19130	200	D-19	4300	4150

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Drum size given above are for cables with extruded bedding.

Cables upto 400sqmm conform to BS Standard. 500sqmm cable conforms to IEC 60502.



600/1000V - FOUR CORE COPPER CONDUCTOR PVC
INSULATED PVC SHIEATHED CABLES (CU/PVC/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.8	1.8	12.3	210	1000	D-9	270
1.5	12.1	0.8	1.8	12.8	225	1000	D-9	285
2.5*	7.41	0.8	1.8	13.3	265	1000	D-10	325
2.5	7.41	0.8	1.8	13.8	280	1000	D-10	340
4	4.61	1.0	1.8	16.0	390	1000	D-11	490
6	3.08	1.0	1.8	17.4	495	1000	D-12	605
10	1.83	1.0	1.8	19.8	705	1000	D-12	815
16	1.15	1.0	1.8	22.3	980	500	D-10	555
25	0.727	1.2	1.8	23.3	1290	500	D-11	745
35	0.524	1.2	1.8	26.7	1700	500	D-12	960
50	0.387	1.4	1.9	30.3	2310	500	D-14	1310
70	0.268	1.4	2.1	33.6	3150	500	D-16	1790
95	0.193	1.6	2.2	38.8	4260	500	D-18	2370
120	0.153	1.6	2.4	41.9	5270	500	D-18	2870
150	0.124	1.8	2.5	46.3	6490	500	D-19	3570
185	0.0991	2.0	2.7	51.2	8000	250	D-18	2240
240	0.0754	2.2	2.9	56.8	10250	250	D-18	2800
300	0.0601	2.4	3.1	62.6	12810	250	D-18	3440
400	0.0470	2.6	3.4	70.0	16420	200	D-19	3610
500	0.0366	2.8	3.6	78.9	20500	200	D-19	4420

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/TI1 compound and sheathed with PVC Type ST1/TM1 compound.

Cables conform to IEC 60502 and generally to BS standard.



600/1000V - FOUR CORE COPPER CONDUCTOR XLPE
INSULATED PVC SHIEATHED CABLES (CU/XLPE/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.7	1.8	11.9	200	1000	D-9	260
1.5	12.1	0.7	1.8	12.3	210	1000	D-9	270
2.5*	7.41	0.8	1.8	13.3	265	1000	D-10	325
2.5	7.41	0.8	1.8	13.8	280	1000	D-10	340
4	4.61	0.8	1.8	15.0	360	1000	D-10	420
6	3.08	0.8	1.8	16.5	465	1000	D-11	565
10	1.83	1.0	1.8	19.1	690	1000	D-12	800
16	1.15	1.0	1.8	21.8	970	500	D-10	545
25	0.727	1.2	1.8	23.3	1290	500	D-11	745
35	0.524	1.2	1.8	26.7	1700	500	D-12	960
50	0.387	1.4	1.9	30.3	2310	500	D-14	1310
70	0.268	1.4	2.0	33.4	3130	500	D-16	1780
95	0.193	1.6	2.2	38.8	4260	500	D-18	2370
120	0.153	1.6	2.3	41.7	5240	500	D-18	2860
150	0.124	1.8	2.5	46.3	6490	500	D-19	3570
185	0.0991	2.0	2.6	51.0	7980	250	D-18	2240
240	0.0754	2.2	2.8	56.6	10230	250	D-18	2800
300	0.0601	2.4	3.1	62.8	12810	250	D-18	3440
400	0.0470	2.6	3.3	69.8	16390	200	D-19	3600
500	0.0366	2.8	3.6	78.9	20500	200	D-19	4420

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/TI1 compound and sheathed with PVC Type ST1/TM1 compound.

Cables 10sqmm to 400sqmm conform generally to BS standard.

500sqmm cable conforms to IEC 60502.



600/1000V - FOUR CORE COPPER CONDUCTOR XLPE
INSULATED PVC SHEATHED CABLES (CU/XLPE/
LSZH)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.7	1.8	12.1	195	1000	D-9	255
1.5	12.1	0.7	1.8	12.6	205	1000	D-9	265
2.5*	7.41	0.7	1.8	13.1	245	1000	D-10	305
2.5	7.41	0.7	1.8	13.6	260	1000	D-10	320
4	4.61	0.7	1.8	14.8	335	1000	D-10	395
6	3.08	0.7	1.8	16.2	435	1000	D-11	535
10	1.83	0.7	1.8	18.6	615	1000	D-12	725
16	1.15	0.7	1.8	21.1	880	1000	D-12	990
25	0.727	0.9	1.8	22.0	1220	500	D-10	670
35	0.524	0.9	1.8	25.4	1620	500	D-12	920
50	0.387	1.0	1.8	28.3	2100	500	D-12	1160
70	0.268	1.1	2.0	32.1	2930	500	D-16	1680
95	0.193	1.1	2.1	36.3	3950	500	D-18	2220
120	0.153	1.2	2.2	39.9	4940	500	D-18	2710
150	0.124	1.4	2.4	44.8	6150	500	D-18	3320
185	0.0991	1.6	2.6	49.7	7600	250	D-16	1580
240	0.0754	1.7	2.8	54.8	9730	250	D-18	2670
300	0.0601	1.8	3.0	60.6	12190	250	D-18	3290
400	0.0470	2.0	3.3	68.0	15690	200	D-18	3380
500	0.0366	2.2	3.5	76.9	19600	200	D-19	4240

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

Cables conform to IEC 60502 and generally to BS standard.



600/1000V - FOUR CORE WITH REDUCED NEUTRAL
COPPER CONDUCTOR XLPE INSULATED LSZH
SHEATHED CABLES (CU/XLPE/LSZH)

Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Phase	Neutral	Phase	Neutral	Phase	Neutral						
Sqmm		Ohm/km		mm		mm	mm	Kg/Km	Metre±10%		KG
35	16	0.524	1.15	0.9	0.7	1.8	25.4	1410	500	Ø-12	815
50	25	0.387	0.727	1.0	0.9	1.8	28.3	1890	500	Ø-12	1060
70	35	0.268	0.524	1.1	0.9	1.9	31.8	2610	500	Ø-14	1460
95	50	0.193	0.387	1.1	1.0	2.0	36.1	3520	500	Ø-18	2000
120	70	0.153	0.268	1.2	1.1	2.2	39.7	4480	500	Ø-18	2480
150	70	0.124	0.268	1.4	1.1	2.3	44.6	5440	500	Ø-18	1900
185	95	0.0991	0.193	1.6	1.1	2.4	49.3	6760	250	Ø-16	2080
240	120	0.0754	0.153	1.7	1.2	2.6	54.4	8631	250	Ø-18	2400
300	150	0.0601	0.124	1.8	1.4	2.8	60.2	10810	250	Ø-18	2940
300	185	0.0601	0.0991	1.8	1.6	2.9	60.4	11120	250	Ø-18	3020
400	185	0.0470	0.0991	2.0	1.6	3.1	67.6	13840	200	Ø-18	3010

*All phase conductors 25 sqmm and above shaped stranded(Class 2)

All neutral conductors circular stranded(Class 2)

Cables conform to IEC 60502 and generally to BS standard.



600/1000V - FOUR CORE WITH REDUCED NEUTRAL
COPPER CONDUCTOR XLPE INSULATED PVC
SHEATHED CABLES (CU/XLPE/PVC)

Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Phase	Neutral	Phase	Neutral	Phase	Neutral						
Sqmm		Ohm/km		mm		mm	mm	Kg/Km	Metre±10%		KG
25	16	0.727	1.15	0.9	0.7	1.8	22.0	1090	500	D-10	605
35	16	0.524	1.15	0.9	0.7	1.8	25.4	1410	500	D-12	815
50	25	0.387	0.727	1.0	0.9	1.8	28.3	1890	500	D-12	1060
70	35	0.268	0.524	1.1	0.9	1.9	31.8	2610	500	D-14	1460
95	50	0.193	0.387	1.1	1.0	2.1	36.3	3540	500	D-18	2010
120	70	0.153	0.268	1.2	1.1	2.2	39.7	4480	500	D-18	2480
150	70	0.124	0.268	1.4	1.1	2.3	44.6	5440	500	D-18	2960
185	95	0.0991	0.193	1.6	1.1	2.5	49.5	6780	250	D-16	1910
240	120	0.0754	0.153	1.7	1.2	2.7	54.6	8660	250	D-18	2405
300	150	0.0601	0.124	1.8	1.4	2.9	60.4	10850	250	D-18	2950
400	185	0.0470	0.0991	2.0	1.6	3.1	67.6	13900	200	D-18	3020
500	240	0.0366	0.0754	2.2	1.7	3.4	76.7	17400	200	D-22	3950

*All phase conductors 25 sqmm and above shaped stranded(Class 2)

All neutral conductors circular stranded(Class 2)

Cables conform to IEC 60502 and generally to BS standard.



600/1000V - FOUR CORE WITH REDUCED NEUTRAL
COPPER CONDUCTOR PVC INSULATED PVC
SHEATHED CABLES (CU/PVC/PVC)

Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Phase	Neutral	Phase	Neutral	Phase	Neutral						
Sqmm		Ohm/km		mm		mm	mm	Kg/Km	Metre±10%		KG
10*	6	1.83	3.08	1.0	1.0	1.8	18.2	540	1000	D-12	650
16*	10	1.15	1.83	1.0	1.0	1.8	20.7	760	500	D-10	440
25	16	0.727	1.15	1.2	1.0	1.8	23.3	1140	500	D-11	670
35	16	0.524	1.15	1.2	1.0	1.8	26.7	1450	500	D-12	835
50	25	0.387	0.727	1.4	1.2	1.9	30.3	1970	500	D-12	1100
70	35	0.268	0.524	1.4	1.2	2.0	33.4	2690	500	D-16	1560
95	50	0.193	0.387	1.6	1.4	2.2	38.8	3670	500	D-18	2080
120	70	0.153	0.268	1.6	1.4	2.3	41.7	4590	500	D-18	2540
150	70	0.124	0.268	1.8	1.4	2.4	46.6	5560	500	D-19	3100
185	95	0.0991	0.193	2.0	1.6	2.6	51.5	6940	250	D-18	1980
240	120	0.0754	0.153	2.2	1.6	2.8	57.1	8860	250	D-18	2460
300	150	0.0601	0.124	2.4	1.8	3.0	63.1	11080	250	D-18	2870
300	185	0.0601	0.0991	2.4	2.0	3.0	63.3	11370	250	D-18	3080
400	185	0.0470	0.0991	2.6	2.0	3.2	70.5	14110	200	D-19	3140
500	240	0.0366	0.0754	2.8	2.2	3.5	78.7	18300	200	D-21	4080

*Phase conductors upto 16sqmm circular stranded(Class 2).

Phase conductors 25sqmm and above shaped stranded (Class 2).

All neutral conductors circular stranded (class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/TI1 compound and sheathed with PVC Type ST1/TM1 compound.

*Cables conform to IEC 60502 and generally to BS standard .



600/1000V - FOUR CORE ALUMINUM CONDUCTOR
PVC INSULATED STEEL WIRE ARMoured PVC
SHEATHED CABLES (AL/PVC/PVC/SWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Dia. of Armour 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		Metre±10%		KG	
25	12.0	1.2	1.0	0.8	1.6	1.8	27.9	26.8	1420	1310	500	D-12	820	765
35	0.868	1.2	1.0	0.8	1.6	1.9	31.5	30.8	1720	1580	500	D-14	1010	940
50	0.641	1.4	1.2	0.8	2.0	2.1	36.5	35.0	2400	2190	500	D-18	1440	1335
70	0.443	1.4	1.2	0.8	2.0	2.2	39.6	38.1	2840	2620	500	D-18	1660	1550
95	0.320	1.6	1.2	0.8	2.5	2.4	45.7	44.2	3910	3600	500	D-19	2200	2040
120	0.253	1.6	1.4	0.8	2.5	2.5	49.3	47.4	4470	4110	500	D-19	2560	2380
150	0.206	1.8	1.4	0.8	2.5	2.7	52.1	50.2	5050	4710	500	D-19	2850	2680
185	0.164	2.0	1.6	0.8	2.5	2.9	59.0	56.7	6080	5650	500	D-22	3510	3300
240	0.125	2.2	1.6	0.8	2.5	3.1	65.0	62.7	7310	6800	250	D-18	2070	1940
300	0.100	2.4	1.6	0.8	2.5	3.3	70.6	68.3	8590	8050	250	D-21	2570	2430
400	0.0778	2.6	1.8	0.8	3.15	3.6	79.7	77.0	11180	10810	200	D-19	2560	2480
500	0.0605	2.8	1.8	0.8	3.15	3.9	88.9	86.1	13690	12690	200	D-21	3160	2960

All conductors circular stranded or circular stranded compacted (Class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC Type 9/ST2 compound OR PVC Type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Cables conform to IEC 60502 and generally to BS standard.



600/1000V - FOUR CORE ALUMINIUM CONDUCTOR
XLPE INSULATED STEEL WIRE ARMoured PVC
SHEATHED CABLES (AL/XLPE/PVC/SWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Dia. of Armour 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		Metre±10%		KG	
25	1.20	0.9	1.0	0.8	1.6	1.8	26.6	25.5	1270	1170	500	D-12	745	695
35	0.868	0.9	1.0	0.8	1.6	1.9	29.9	28.8	1540	1410	500	D-12	880	815
50	0.641	1.0	1.0	0.8	1.6	2.0	33.3	32.2	1840	1720	500	D-16	1130	1070
70	0.443	1.1	1.2	0.8	1.6	2.2	38.3	36.8	2570	2390	500	D-18	1530	1440
95	0.320	1.1	1.2	0.8	2.0	2.3	42.3	40.8	3090	2860	500	D-18	1790	1670
120	0.253	1.2	1.4	0.8	2.0	2.5	47.5	45.6	4060	3750	500	D-19	2350	2200
150	0.206	1.4	1.4	0.8	2.5	2.6	50.6	48.7	4630	4300	500	D-19	2640	2470
185	0.164	1.6	1.4	0.8	2.5	2.8	56.6	55.2	5490	5170	250	D-18	1610	1530
240	0.125	1.7	1.6	0.8	2.5	3.0	63.0	60.7	6650	6200	250	D-18	1900	1790
300	0.100	1.8	1.6	0.8	2.5	3.2	68.6	66.3	7830	7300	250	D-19	2280	2150
400	0.0778	2.0	1.8	0.8	3.15	3.5	77.7	75.0	10310	9660	200	D-19	2380	2250
500	0.0605	2.2	1.8	0.8	3.15	3.8	86.8	84.1	12650	11620	200	D-21	2890	2740

*All conductors shaped stranded(Class 2).

Cables conform to IEC 60502 and generally to BS standard.

Drum size given above are for cables with extruded bedding.



600/1000V - FOUR CORE WITH REDUCED NEUTRAL
COPPER CONDUCTOR PVC INSULATED STEEL WIRE
ARMOURED PVC SHEATHED CABLES (CU/PVC/PVC/
SWA/PVC)

Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Bedding		Dia. of Armour Wire	Thickness of Outer Sheath	Approx. Overall Diameter		Approx. Cable Weight		Standard Packing Length	Drum Size	Approx. Gross Weight	
Phase	Neutra	Phase	Neutra	Phase	Neutra	Extruded	Lapped			Extruded Bedding	Lapped Bedding	Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding
Sqmm		Ohm/km		mm		mm		mm	mm	mm		Kg/Km		Metre± 10%		KG	
10*	6	1.83	3.08	1.0	1.0	1.0	-	125	1.8	22.7	-	1080	-	1000	D-14	1230	-
16*	10	1.15	1.83	1.0	1.0	1.0	-	1.6	1.8	25.9	-	1530	-	500	D-12	875	-
25	16	0.727	1.15	1.2	1.0	1.0	0.8	1.6	1.8	27.9	26.8	1930	1835	500	D-12	1080	1020
35	16	0.524	1.15	1.2	1.0	1.0	0.8	1.6	1.9	31.5	30.4	2380	2270	500	D-14	1340	1285
50	25	0.387	0.727	1.4	1.2	1.0	0.8	2.0	2.0	35.9	34.8	3250	3120	500	D-16	1830	1770
70	35	0.268	0.524	1.4	1.2	1.2	0.8	2.0	2.1	39.4	37.9	4150	3945	500	D-18	2315	2215
95	50	0.193	0.387	1.6	1.4	1.2	0.8	2.0	2.3	44.8	43.3	5360	5125	500	D-18	2920	2800
120	70	0.153	0.268	1.6	1.4	1.4	0.8	2.5	2.5	49.3	47.4	6890	6575	500	D-19	3765	3610
150	70	0.124	0.268	1.8	1.4	1.4	0.8	2.5	2.6	54.0	51.2	8110	7665	500	D-19	4380	4150
185	95	0.0991	0.193	2.0	1.6	1.4	0.8	2.5	2.7	58.7	56.5	9730	9305	250	D-18	2675	2565
240	120	0.0754	0.153	2.2	1.6	1.6	0.8	2.5	2.9	64.9	62.1	12030	11535	250	D-18	3250	3125
300	150	0.0601	0.124	2.4	1.8	1.6	0.8	2.5	3.1	70.2	67.9	14660	13990	250	D-21	4090	3915
300	185	0.0601	0.0991	2.4	2.0	1.6	0.8	2.5	3.2	70.4	68.1	14870	14350	250	D-21	4135	4000
400	185	0.0470	0.0991	2.6	2.0	1.8	0.8	3.15	3.4	80.2	76.6	19090	18125	200	D-19	4135	3945
500	240	0.0366	0.0754	2.8	2.2	1.8	0.8	3.15	3.7	88.4	85.7	23300	22360	200	D-23	5170	4970

*Phase conductors upto 16sqmm circular stranded(Class 2).

Phase conductors 25sqmm and above shaped stranded (Class 2).

All neutral conductors circular stranded (class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/T1 compound and sheathed with PVC Type ST1/TM1 compound.

Drum size given above are for cables with extruded bedding.

*Cables conform to IEC 60502 and generally to BS standard.



600/1000V - FOUR CORE WITH REDUCED NEUTRAL COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES (CU/XLPE/PVC/ SWA/PVC)

Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Bedding		Dia. of Armour Wire	Thickness of Outer Sheath	Approx. Overall Diameter		Approx. Cable Weight		Standard Packing Length	Drum Size	Approx. Gross Weight	
Phase	Neutra	Phase	Neutra	Phase	Neutra	Extruded	Lapped			Extruded Bedding	Lapped Bedding	Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding
Sqmm		Ohm/km		mm		mm		mm	mm	mm		Kg/Km		Metre± 10%		KG	
10*	6	1.83	3.08	1.0	1.0	1.0	-	1.25	1.8	22.7	-	1080	-	1000	D-14	1230	-
16*	10	1.15	1.83	1.0	1.0	1.0	-	1.6	1.8	25.9	-	1530	-	500	D-12	875	-
25	16	0.727	1.15	1.2	1.0	1.0	0.8	1.6	1.8	27.9	26.8	1930	1810	500	D-12	1080	1020
35	16	0.524	1.15	1.2	1.0	1.0	0.8	1.6	1.8	31.3	30.2	2360	2230	500	D-14	1330	1270
50	25	0.387	0.727	1.4	1.2	1.0	0.8	1.6	1.9	34.9	33.8	3020	2870	500	D-16	1720	1650
70	35	0.268	0.524	1.4	1.2	1.2	0.8	2.0	2.0	39.2	37.7	4130	3920	500	D-18	2310	2200
95	50	0.193	0.387	1.6	1.4	1.2	0.8	2.0	2.2	44.6	43.1	5340	5110	500	D-18	2910	2800
120	70	0.153	0.268	1.6	1.4	1.4	0.8	2.5	2.3	48.9	47.0	6860	6500	500	D-19	3750	3570
150	70	0.124	0.268	1.8	1.4	1.4	0.8	2.5	2.4	53.8	51.9	8090	7740	500	D-19	4370	4190
185	95	0.0991	0.193	2.0	1.6	1.4	0.8	2.5	2.5	58.5	56.6	9700	9330	250	D-18	2670	2570
240	120	0.0754	0.153	2.2	1.6	1.6	0.8	2.5	2.7	64.5	62.2	11990	11540	250	D-18	3240	3130
300	150	0.0601	0.124	2.4	1.8	1.6	0.8	2.5	2.9	70.7	68.4	14620	14080	250	D-21	4080	3940
300	185	0.0601	0.0991	2.4	2.0	1.6	0.8	2.5	2.9	70.7	68.4	14930	14390	250	D-21	4150	4020
400	185	0.0470	0.0991	2.6	2.0	1.8	0.8	3.15	3.1	79.6	76.9	18970	18310	200	D-19	4110	3980

*Phase conductors upto 16sqmm circular stranded(Class 2).

Phase conductors 25sqmm and above shaped stranded (Class 2).

All neutral conductors circular stranded (class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/TI1 compound and sheathed with PVC Type ST1/TM1 compound.

Drum size given above are for cables with extruded bedding.

*Cables conform to IEC 60502 and generally to BS standard.



600/1000V - FOUR CORE COPPER CONDUCTOR
XLPE STEEL WIRE ARMoured PVC(LSZH) SHEATHED
CABLES [CU/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Dia. of Armour 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		Metre±10%		KG	
1.5*	12.1	0.7	1.0	-	0.9	1.8	15.5	-	430	-	1000	D-10	490	-
1.5	12.1	0.7	1.0	-	0.9	1.8	16.0	-	440	-	1000	D-11	540	-
2.5*	7.41	0.7	1.0	-	0.9	1.8	16.5	-	490	-	1000	D-11	590	-
2.5	7.41	0.7	1.0	-	0.9	1.8	17.0	-	510	-	1000	D-11	610	-
4	4.61	0.7	1.0	-	0.9	1.8	18.2	-	610	-	1000	D-12	720	-
6	3.08	0.7	1.0	-	1.25	1.8	20.3	-	840	-	1000	D-12	950	-
10	1.83	0.7	1.0	-	1.25	1.8	22.7	-	1090	-	1000	D-14	1240	-
16	1.15	0.7	1.0	-	1.6	1.8	25.9	-	1560	-	1000	D-16	1770	-
25	0.727	0.9	1.0	0.8	1.6	1.8	26.6	25.7	1870	1775	500	D-12	1045	995
35	0.524	0.9	1.0	0.8	1.6	1.9	30.2	29.1	2380	2270	500	D-12	1300	1245
50	0.387	1.0	1.0	0.8	1.6	2.0	33.3	32.2	2990	2840	500	D-16	1705	1630
70	0.268	1.1	1.2	0.8	2.0	2.3	38.3	36.8	4210	3995	500	D-18	2345	2240
95	0.193	1.1	1.2	0.8	2.0	2.3	42.5	41.0	5390	5155	500	D-18	2935	2820
120	0.153	1.2	1.4	0.8	2.5	2.5	47.5	45.6	6950	6640	500	D-19	3795	3640
150	0.124	1.4	1.4	0.8	2.5	2.6	52.4	49.8	8380	7985	500	D-19	4510	4310
185	0.0991	1.6	1.4	0.8	2.5	2.8	57.3	55.4	10030	9650	250	D-18	2745	2655
240	0.0754	1.7	1.6	0.8	2.5	3.0	62.8	60.5	12500	12025	250	D-18	3365	3245
300	0.0601	1.8	1.6	0.8	2.5	3.2	68.6	66.3	15200	14655	250	D-21	4220	4085
400	0.0470	2.0	1.8	0.8	3.15	3.5	77.7	75.0	19950	19145	200	D-22	4460	4300
500	0.0366	2.2	1.8	0.8	3.15	3.8	86.8	86.1	24460	23590	200	D-21	5310	5140

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

Cables conform to IEC 60502 and generally to BS standard.

Drum size given above are for cables with extruded bedding.



600/1000V - FOUR CORE COPPER CONDUCTOR XLPE INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES (CU/XLPE/PVC/SWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Dia. of Armour 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		Metre±10%		KG	
1.5*	12.1	0.7	0.8	-	0.9	1.4	14.1	-	385	-	1000	D-10	445	-
1.5	12.1	0.7	0.8	-	0.9	1.4	14.5	-	400	-	1000	D-10	460	-
2.5*	7.41	0.8	0.8	-	0.9	1.4	15.5	-	470	-	1000	D-11	570	-
2.5	7.41	0.8	0.8	-	0.9	1.4	16.0	-	495	-	1000	D-11	595	-
4	4.61	0.8	0.8	-	1.25	1.5	18.1	-	700	-	1000	D-12	810	-
6	3.08	0.8	0.8	-	1.25	1.5	19.6	-	8300	-	1000	D-12	940	-
10	1.83	1.0	0.8	-	1.25	1.6	22.4	-	1130	-	1000	D-14	1280	-
16	1.15	1.0	1.0	-	1.6	1.7	26.4	-	1650	-	500	D-12	935	-
25	0.727	1.2	1.0	0.8	1.6	1.8	27.9	26.8	2040	1890	500	D-12	1130	1060
35	0.524	1.2	1.0	0.8	1.6	1.9	31.5	30.4	2550	2400	500	D-12	1430	1350
50	0.387	1.4	1.2	0.8	2.0	2.0	36.3	34.8	3510	3300	500	D-16	1970	1860
70	0.268	1.4	1.2	0.8	2.0	2.1	39.4	37.9	4450	4220	500	D-18	2470	2350
95	0.193	1.6	1.2	0.8	2.0	2.2	44.6	43.1	5770	5510	500	D-18	3130	3000
120	0.153	1.6	1.4	0.8	2.5	2.4	49.1	47.2	7350	6970	500	D-19	4000	3810
150	0.124	1.8	1.4	0.8	2.5	2.5	53.5	51.6	8760	8390	500	D-18	2430	2340
185	0.0991	2.0	1.4	0.8	2.5	2.6	58.6	56.3	10530	10040	250	D-18	2870	2750
240	0.0754	2.2	1.6	0.8	2.5	2.8	64.2	61.9	13050	12520	250	D-18	3500	3370
300	0.0601	2.4	1.6	0.8	2.5	3.0	70.0	67.7	15880	15300	250	D-19	4290	4150
400	0.0470	2.6	1.8	0.8	3.15	3.3	79.1	76.4	20710	20000	200	D-19	4460	4320
500	0.0366	2.8	1.8	0.8	3.15	3.9	88.8	86.1	25400	24720	200	D-23	5580	5440

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Drum size given above are for cables with extruded bedding.

Cables upto 400sqmm conform to BS standard. 500sqmm cable conforms to IEC 60502.



600/1000V - FOUR CORE COPPER CONDUCTOR PVC INSULATED STEEL WIRE ARMoured PVC SHEATHED CABLES (CU/PVC/PVC/SWA/PVC)

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Bedding		Dia. of Armour 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		Metre±10%		KG	
1.5*	12.1	0.8	1.0	-	0.9	1.8	15.7	-	445	-	1000	D-11	545	-
1.5	12.1	0.8	1.0	-	0.9	1.8	16.2	-	470	-	1000	D-11	570	-
2.5*	7.41	0.8	1.0	-	0.9	1.8	16.7	-	510	-	1000	D-11	610	-
2.5	7.41	0.8	1.0	-	0.9	1.8	17.2	-	540	-	1000	D-12	650	-
4	4.61	1.0	1.0	-	1.25	1.8	20.1	-	800	-	1000	D-12	910	-
6	3.08	1.0	1.0	-	1.25	1.8	21.5	-	940	-	1000	D-14	1090	-
10	1.83	1.0	1.0	-	1.25	1.8	23.9	-	1200	-	1000	D-14	1350	-
16	1.15	1.0	1.0	-	1.6	1.8	27.1	-	1680	-	1000	D-14	990	-
25	0.727	1.2	1.0	0.8	1.6	1.8	27.9	26.8	2040	1925	500	D-12	1130	1075
35	0.524	1.2	1.0	0.8	1.6	1.9	31.5	30.4	2550	2440	500	D-14	1430	1370
50	0.387	1.4	1.0	0.8	2.0	2.1	36.5	35.0	3530	3330	500	D-16	1980	1875
70	0.268	1.4	1.2	0.8	2.0	2.2	39.6	38.1	4450	4250	500	D-18	2470	2365
95	0.193	1.6	1.2	0.8	2.5	2.4	46.0	44.5	6100	5900	500	D-18	3290	3190
120	0.153	1.6	1.4	0.8	2.5	2.5	49.3	47.4	7370	7030	500	D-19	4010	3835
150	0.124	1.8	1.4	0.8	2.5	2.7	53.5	51.9	8760	8380	250	D-18	2430	2335
185	0.0991	2.0	1.6	0.8	2.5	2.9	59.2	56.9	10600	10120	250	D-18	2890	2770
240	0.0754	2.2	1.6	0.8	2.5	3.1	64.8	62.5	13100	12645	250	D-18	3520	3440
300	0.0601	2.4	1.6	0.8	2.5	3.3	70.6	68.3	16000	15375	250	D-19	4320	4165
400	0.0470	2.6	1.6	0.8	3.15	3.6	79.7	77.0	20800	20035	200	D-19	5520	4325
500	0.0366	2.8	1.8	0.8	3.15	3.9	88.8	86.1	25400	24555	200	D-23	5580	5410

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ST2 compound OR PVC Type A/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Drum size given above are for cables with extruded bedding. Cable conforms to IEC 60502 and BS standard.



600/1000V - FOUR CORE WITH REDUCED NEUTRAL
COPPER CONDUCTOR XLPE INSULATED STEEL WIRE
ARMoured PVC(LSZH) SHEATHED CABLES [CU/
XLPE/PVC(LSZH)/SWA/PVC(LSZH)]

Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Bedding		Dia. of Armour Wire	Thickness of Outer Sheath	Approx. Overall Diameter		Approx. Cable Weight		Standard Packing Length	Drum Size	Approx. Gross Weight	
Phase	Neutra	Phase	Neutra	Phase	Neutra	Extruded	Lapped			Extruded Bedding	Lapped Bedding	Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding
Sqmm		Ohm/km		mm		mm		mm	mm	mm		Kg/Km		Metre± 10%		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	25.5	1780	1690	500	D-12	1000	955
35	16	0.524	1.15	0.9	0.7	1.0	0.8	1.6	1.8	30.0	28.9	2200	2100	500	D-12	1210	1160
50	25	0.387	0.727	1.0	0.9	1.0	0.8	1.6	1.9	33.1	32.0	2780	2650	500	D-16	1600	1530
70	35	0.268	0.524	1.1	0.9	1.2	0.8	2.0	2.1	38.1	36.6	3910	3715	500	D-18	2200	2095
95	50	0.193	0.387	1.1	1.0	1.2	0.8	2.0	2.2	42.3	40.8	4990	4760	500	D-18	2740	2620
120	70	0.153	0.268	1.2	1.1	1.2	0.8	2.0	2.4	45.9	44.4	6060	5835	500	D-19	3350	3240
150	70	0.124	0.268	1.4	1.1	1.4	0.8	2.5	2.5	52.2	49.6	7700	7305	500	D-19	4170	3975
185	95	0.0991	0.193	1.6	1.1	1.4	0.8	2.5	2.7	57.1	55.2	9260	8895	250	D-18	2560	2465
240	120	0.0754	0.153	1.7	1.2	1.6	0.8	2.5	2.9	62.6	60.3	11450	11000	250	D-18	3100	2990
300	150	0.0601	0.124	1.8	1.4	1.6	0.8	2.5	3.0	68.2	65.9	13880	13340	250	D-18	3710	3575
300	185	0.0601	0.0991	1.8	1.6	1.6	0.8	2.5	3.1	68.4	66.1	14190	13685	250	D-18	3790	3660
400	185	0.0470	0.0991	2.0	1.6	1.6	0.8	3.15	3.3	76.9	74.6	18050	17410	250	D-22	4980	4825
500	240	0.0366	0.0754	2.2	1.7	1.8	0.8	3.15	3.6	86.4	83.7	22300	21485	200	D-23	4960	7495

All Phase conductors upto 16Sqmm circular stranded(Class 2)

All Phase conductors 25sqmm and above shaped stranded(Class 2)

All neutral conductors circular stranded(Class 2).

10 Sqmm and 16 Sqmm cables conform to IEC 60502, *Cable as per MEW, Kuwait specification.

Cables conform to IEC 60502 and generally to BS standard.

Drum size given above are for cables with extruded bedding.



600/1000V - FOUR CORE WITH REDUCED NEUTRAL
ALUMINIUM CONDUCTOR XLPE INSULATED STEEL
WIRE ARMoured PVC(LSZH) SHEATHED CABLES
[CU/XLPE/PVC(LSZH)/SWA/PVC(LSZH)]

Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Bedding		Dia. of Armour Wire	Thickness of Outer Sheath	Approx. Overall Diameter		Approx. Cable Weight		Standard Packing Length	Drum Size	Approx. Gross Weight	
Phase	Neutra	Phase	Neutra	Phase	Neutra	Extruded	Lapped			Extruded Bedding	Lapped Bedding	Extruded Bedding	Lapped Bedding			Extruded Bedding	Lapped Bedding
Sqmm		Ohm/km		mm		mm		mm	mm	mm		Kg/Km		Metre±10%		KG	
35	16	0.868	1.91	0.9	0.7	1.0	0.8	1.6	1.8	29.7	28.6	1480	1350	500	D-12	850	785
50	25	0.614	1.20	1.0	0.9	1.0	0.8	1.6	1.9	33.1	32.0	1780	1640	500	D-16	1100	1030
70	35	0.443	0.868	1.1	0.9	1.2	0.8	2.0	2.1	38.0	36.5	2480	2270	500	D-18	1480	1380
95	50	0.320	0.641	1.1	1.0	1.2	0.8	2.0	2.2	42.1	40.6	2980	2750	500	D-18	1730	1620
120	70	0.253	0.443	1.2	1.1	1.2	0.8	2.0	2.3	45.7	44.2	3460	3220	500	D-19	2050	1930
150	70	0.206	0.443	1.4	1.1	1.4	0.8	2.5	2.5	50.4	48.5	4440	4100	500	D-18	2540	2370
185	95	0.164	0.320	1.6	1.1	1.4	0.8	2.5	2.7	56.4	54.5	5270	4910	250	D-21	3060	2880
120	70	0.153	0.268	1.2	1.1	1.2	0.8	2.0	2.4	45.9	44.4	6060	5835	500	D-19	3350	3240
150	70	0.124	0.268	1.4	1.1	1.4	0.8	2.5	2.5	52.2	49.6	7700	7305	500	D-19	4170	3975
185	95	0.164	0.320	1.6	1.1	1.4	0.8	2.5	2.7	56.4	54.5	5270	4910	250	D-21	3060	2880
240	120	0.125	0.253	1.7	1.2	1.6	0.8	2.5	2.9	62.8	60.5	6370	5880	500	D-22	3660	3410
300	150	0.100	0.206	1.8	1.4	1.6	0.8	2.5	3.0	68.2	65.9	7450	6920	300	D-20	2660	2430
300*	185	0.100	0.164	1.8	1.6	-	0.8	2.5	2.7	-	65.7	-	6970	300	D-19	-	2410
300	185	0.100	0.164	1.8	1.6	1.6	0.8	2.5	3.1	68.4	66.1	7560	7030	250	D-18	2130	2000
400	185	0.0778	0.164	2.0	1.6	1.6	0.8	3.15	3.3	76.9	74.6	9750	9110	250	D-19	2760	2600

All Phase conductors shaped stranded(Class 2).

All Neutral conductors circular stranded(Class 2).

Cables conform to IEC 60502 and generally to BS standard, *Cable as per MEW, Kuwait Specification.

Drum size given above are for cables with extruded bedding.



600/1000V - FIVE CORE COPPER CONDUCTOR XLPE INSULATED PVC(PE) SHIEATHED CABLES [CU/XLPE/ PVC(PE)]

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	12.1	0.7	1.8	12.3	189	1000	D-9	255
1.5	12.1	0.7	1.8	12.9	198	1000	D-9	265
2.5*	7.41	0.7	1.8	13.4	247	1000	D-10	305
2.5	7.41	0.7	1.8	14.0	256	1000	D-10	320
4	4.61	0.7	1.8	15.5	346	1000	D-10	395
6	3.08	0.7	1.8	17.0	458	1000	D-11	535
10	1.83	0.7	1.8	19.4	665	1000	D-12	725
16	1.15	0.7	1.8	22.2	973	1000	D-12	990
25	0.727	0.9	1.8	25.9	1469	500	D-10	670
35	0.524	0.9	1.8	28.6	1946	500	D-12	920
50	0.387	1.0	1.9	29.9	2491	500	D-12	1160
70	0.268	1.1	2.1	34.8	3544	500	D-16	1680
95	0.193	1.1	2.2	39.1	4794	500	D-18	2220
120	0.153	1.2	2.4	43.5	6004	500	D-18	2710
150	0.124	1.4	2.6	48.4	7423	500	D-18	3320
185	0.0991	1.6	2.8	53.9	9293	250	D-16	2110
240	0.0754	1.7	3.0	54.8	9730	250	D-18	2670
300	0.0601	1.8	3.2	66.8	14982	250	D-18	3290
400	0.0470	2.0	3.5	74.9	19224	200	D-18	3380
500	0.0366	2.2	3.8	84.1	24610	200	D-19	4240

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

Cables up to and including 16 Sqmm conform to IEC 60502.

From 16 Sqmm upto and including 400 Sqmm conform to IEC 60502.

From 16 Sqmm upto and including 400 Sqmm conform generally to BS standard.

500sqmm cable conforms to IEC 60502.



600/1000V - FIVE CORE COPPER CONDUCTOR XLPE STEEL WIRE ARMoured PVC(PE/LZSH) SHEATHED CABLES [CU/XLPE/PVC/SWA/PVC(PE))/(CU/XLPE/LSZH/SWA/LSZH)]

Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Inner Sheath	Dia. of Armour Wire	Thickness of Outer Sheath	Approx. Over Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
Sqmm	Ohm/km	mm	mm	mm	mm	mm	Kg/Km	Metre±10%		KG
1.5*	121	0.7	1.0	0.8	1.8	16.5	449	1000	D-10	440
1.5	121	0.7	1.0	0.8	1.8	17.1	469	1000	D-10	460
2.5*	741	0.7	1.0	1.25	1.8	18.5	655	1000	D-11	550
2.5	741	0.7	1.0	1.25	1.8	19.1	683	1000	D-11	570
4	461	0.7	1.0	1.25	1.8	20.6	814	1000	D-11	670
6	3.08	0.7	1.0	1.25	1.8	22.1	971	1000	D-12	900
10	1.83	0.7	1.0	1.60	1.8	25.2	1391	1000	D-12	1130
16	1.15	0.7	1.0	1.60	1.8	28.0	1799	1000	D-14	1500
25	0.727	0.9	1.0	1.60	1.9	31.9	2441	500	D-12	1040
35	0.524	0.9	1.0	1.60	2.0	34.8	3032	500	D-12	1290
50	0.387	1.0	1.2	2.0	2.2	37.5	3936	500	D-16	1700
70	0.268	1.1	1.2	2.0	2.3	42.2	5182	500	D-18	2340
95	0.193	1.1	1.4	2.5	2.5	48.1	7111	500	D-18	2930
120	0.153	1.2	1.4	2.5	2.7	52.5	8555	500	D-19	3780
150	0.124	1.4	1.4	2.5	2.8	57.2	10208	500	D-19	4490
185	0.0991	1.6	1.6	2.5	3.0	63.1	12443	250	D-18	2740
240	0.0754	1.7	1.6	2.5	3.3	70.0	15618	250	D-18	3340
300	0.0601	1.8	1.8	3.15	3.5	77.9	19846	250	D-18	4020
400	0.0470	2.0	1.8	3.15	3.9	86.2	24672	200	D-19	4290
500	0.0366	2.2	1.8	3.15	4.1	95.2	30640	200	D-21	5310

*Circular solid conductors (Class 1).

Conductors including 16sqmm circular stranded (Class 2).

25sqmm and above shaped stranded conductors(Class 2)

Cables upto and including 400 Sqmm conform to BS standard.

500 Sq mm Cable conforms to IEC 60502.

Drum size given above are for cables with extruded bedding.



600/1000V - MULTICORE CABLES FOR STREET LIGHTING COPPER CONDUCTOR PVC INSULATED PVC SHEATHED CABLES(CU/PVC/PVC)

Cable Details	Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
	Phase	Neutral & Earth	Phase	Neutral	Phase	Neutral						
	Sqmm		Ohm/km		mm		mm	mm	Kg/Km	Metre±10%		KG
2×16+1×10	16	10	1.15	1.83	0.7	0.7	1.8	18.9	660	1000	D-12	770
3×25+2×16	25	16	0.727	1.15	0.9	0.7	1.8	27.2	1510	1000	D-16	1720
3×35+2×16	35	25	0.524	1.15	0.9	0.7	1.8	30.2	1850	1000	D-14	1080

Cable Details	Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
	Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
5×1.5*	1.5	12.1	0.7	1.8	13.0	225	1000	D-10	285
5×1.5	1.5	12.1	0.7	1.8	13.5	235	1000	D-10	295
5×2.5*	2.5	7.41	0.7	1.8	14.1	280	1000	D-10	340
5×2.5	2.5	7.41	0.7	1.8	14.6	295	1000	D-10	355
5×4	4	4.61	0.7	1.8	15.9	390	1000	D-11	490
5×6	6	3.08	0.7	1.8	17.6	505	1000	D-12	615
5×10	10	1.83	0.7	1.8	19.5	740	1000	D-12	850
5×16	16	1.15	0.7	1.8	22.4	1060	500	D-11	630
5×25	25	0.727	0.9	1.8	27.2	1650	500	D-12	925
5×35	35	0.524	0.9	1.8	30.2	2170	500	D-14	1235

Circular solid conductors(Class 1)

All other conductors circular stranded(Class 2)

Cables conform to IEC 60502 and generally to BS standard.



600/1000V - MULTICORE CABLES FOR STREET LIGHTING COPPER CONDUCTOR PVC INSULATED PVC SHEATHED CABLES (CU/PVC/PVC)

Cable Details	Nominal Area of Conductor		Maximum Conductor Resistance at 20°C		Thickness of Insulation		Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
	Phase	Neutral & Earth	Phase	Neutral & Earth	Phase	Neutral & Earth						
	Sqmm		Ohm/km		mm		mm	mm	Kg/Km	Metre±10%		KG
2×16+1×10	16	10	1.15	1.83	1.0	1.0	1.8	19.9	7350	1000	D-12	830
3×25+2×16	25	16	0.727	1.15	1.2	1.0	1.8	28.3	1620	500	D-10	920
3×35+2×16	35	16	0.524	1.15	1.2	1.0	1.9	32.0	2070	500	D-14	1190

Cable Details	Nominal Area of Conductor	Maximum Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight	Standard Packing Length	Drum Size	Approx. Gross Weight
	Sqmm	Ohm/km	mm	mm	mm	Kg/Km	Metre±10%		KG
5×1.5*	1.5	12.1	0.7	1.8	12.7	230	1000	D-9	290
5×1.5	1.5	12.1	0.7	1.8	13.2	240	1000	D-9	300
5×2.5*	2.5	7.41	0.8	1.8	13.8	290	1000	D-10	350
5×2.5	2.5	7.41	0.8	1.8	14.9	325	1000	D-10	385
5×4	4	4.61	0.8	1.8	16.2	420	1000	D-11	520
5×6	6	3.08	0.8	1.8	17.8	545	1000	D-12	655
5×10	10	1.83	1.0	1.8	20.8	835	500	D-10	480
5×16	16	1.15	1.0	1.8	23.8	1170	500	D-11	685
5×25	25	0.727	1.2	1.9	26.2	1630	500	D-12	925
5×35	35	0.524	1.2	2.0	31.5	2310	500	D-14	1310

*Circular solid conductors (Class 1).

All other Conductors Circular stranded (Class 2).

All the cables are insulated with either PVC Type 5 Heat Resisting 85°C compound and sheathed with PVC

Type 9/ ST2 compound OR PVC Type N/T11 compound and sheathed with PVC Type ST1/TM1 compound.

Cables conform to IEC 60502 and generally to BS standard.

DRUM SIZE AND DIMENSIONS

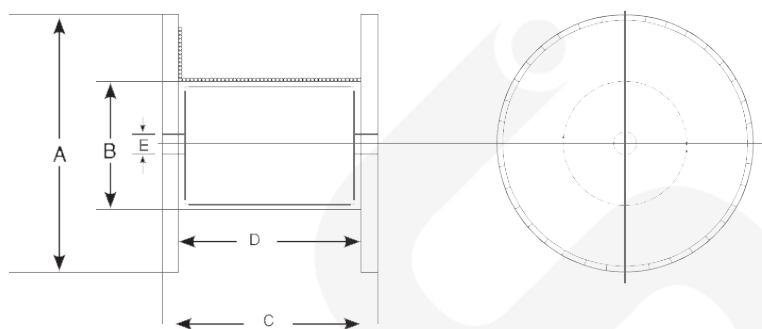
A-Flange diameter(Excluding Lagging),mm

B-Barrel diameter,mm

C-Overall width,mm

D-Traversal width,mm

E-Minimum spindle hole diameter,mm



Drum size	A	B	C	D	E
D-N0					
D-6	600	250	470	400	110
D-7	700	325	570	500	110
D-8	800	375	570	500	110
D-9	900	425	620	550	110
D-10	1000	500	690	600	110
D-11	1100	575	740	650	110
D-12	1200	675	950	850	110
D-14	1400	800	950	850	110
D-16	1600	950	970	850	110
D-18	1800	1100	1220	1100	110
D-19	1900	1100	1230	1100	110
D-20	2000	1300	1235	1100	110
D-21	2100	1150	1290	1100	110
D-22	2200	1400	1390	1250	110
D-23	2340	1200	1795	1625	110
D-24	2400	1200	1795	1625	110
D-25-S	2540	1200	1825	1625	110
D-25	2540	1400	1800	1625	110
D-26	2600	1400	1970	1800	110

Drum dimensions in actual deliveries are subject to change without notice.





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