

Features

Distinct features which makes us one of its kind product:-



ECO-Friendly:

Manufactured using improved grade raw material that can be recycled and reduces carbon emission.



Longer Life:

Advanced raw material ensures long life and product stability.



High Insulation Resistance:

The insulation used in the wires are of high grade for improved safety.



99.95% Pure Copper:

High copper purity leads for improved current conductivity.



High Thermal Stability:

Leads to high heat resistance and a longer product lifetime.



Anti Termite & Anti Rodent:

Keeps away termite & rodent from the wires. Applicable upto 12 months from date of manufacture.



High Quality Wire:

All wire are manufactured strictly according to IS 694:2010 & IS 1554:(Part - 1)



Pro Life:

Our wire are free from hazardous material like lead, cadmium which can cause cancer.

Single Core Flexible Wire



Cable designed for internal wiring in switch control, relay and instrumentation panels of power switchgear and for purposes such as stationary, static appliances, internal connectors in rectifier equipment, motor starters and controllers. PVC 70°C cables suitable for general wiring in control cabinets, panels, power switchgear and domestic building and house wiring.

Technical Data:

Approval : IS 694 : 2010 Marked

Voltage Grade : Up to and including 1100V

Conductor : As per IS 8130. Thin strands of electrolytic copper are multi-drawn for uniformity of resistance, dimension and flexibility. The strands are twisted with high precision to impart circularity of the conductor.

Insulation : Specially formulated heat resistant and flame retardant PVC is used. These properties of PVC retards the propagation of flame without compromising safety.

Insulation Conformity : IS 5831, Type - A / D

Cable Code : Y

Colours : Red, Yellow, Blue, Black, Green, Grey, White, Brown

Marking : Cables are printed with "Jasbir Enterprise Cable <Size> 1100V CM/L : 3119141"

Packaging : 90 mtr. coil is packed in protective cartons. Project Packing of 180 mtr. is also available

TECHNICAL SPECIFICATIONS FOR SINGLE CORE PVC INSULATED UNSHEATHED COPPER CABLES

Conductor Nominal Area (Sq.mm)	Number/ Nominal Dia. of Wire (No./mm)	Conductor Resistance (Max) Ω/Km. @ 20°C in Ohms	Approximate Overall Dia. (mm)	Normal Thickness of Insulation (mm)	Current Carrying Capacity, 1-Ø		Approximate Gross Weight (Kgs. /90 Mtrs.)
					In conduit/ trunking (Amps.)	Uneclosed-clipped directly to a surface or on cable tray in Amps	
0.5	16/0.2**	39.0	2.2	0.6	3	4	0.76
0.75	24/0.2**	26.0	2.4	0.6	6	7	1
1	14/0.3*	18.1	2.7	0.6	11	12	1.35
1.5	22/0.3*	12.1	3.0	0.7	13	16	1.9
2.5	36/0.3*	7.41	3.6	0.8	18	22	2.9
4	56/0.3**	4.95	4.1	0.8	24	29	4
6	84/0.3**	3.30	4.7	0.8	31	37	6
10	140/0.3**	1.91	6.1	1.0	42	51	10.8

Standard Colours: Red, Yellow, Blue, Black & Green (For Earthing) Any other colour on specific request can also be supplied, Conforming to IS:694.

*Conductor as per class 2 of IS:8130/2013 **Conductor as per class 5 of IS: 8130/2013 (for reference only) *As per IS 3961 (Part-V)-1968

Single Core Sheathed DC Cable



DC cables are intended for use in photovoltaic power supply systems and similar applications as free hanging, movable, fixed installation and buried in ground in constructional covered systems. The cables can be used indoor, outdoor, in hazard explosion areas, in industry and agriculture. They are suitable for applications in equipment with protective insulation.

Technical Data:

Approval : IS 694 : 2010 Marked

Voltage Grade : Up to and including 1125V to earth DC

Conductor : Thin strands of electrolytic copper are multi-drawn for uniformity of resistance, dimension and flexibility. The strands are twisted with high precision to impart circularity of the conductor.

Insulation : Specially formulated heat resistant and flame retardant PVC is used. These properties of PVC retards the propagation of flame without compromising safety

Insulation Conformity : IS 5831, Type - A / D

Sheath Insulation : IS 5831, Type - ST1

Cable Code : YY

Colours : Red, Yellow, Blue, Black, Green, Grey, White, Brown

Marking : Cables are printed with "Jasbir Enterprise Solar DC Cable UV Protected <Size> 1125V DC CM/L :

3119141" **Packaging :** 100 mtr. coil is packed in protective cartons. Project Packing of 500/1000 mtr. is also available

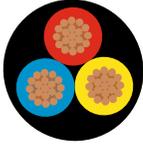
TECHNICAL SPECIFICATIONS OF SINGLE CORE PVC INSULATED & SHEATHED DC COPPER CABLES FOR PHOTOVOLTAIC SYSTEMS

Conductor Nominal Area (Sq.mm)	Number / Nominal Dia. of Wire (No./mm)	Conductor Resistance (Max) Ω /Km. @ 20°C in Ohms	Approximate Overall Dia. (mm)	Nominal Thickness of Insulation (mm)	Nominal Thickness of Sheath (mm)	Current Carrying Capacity, 1-Ø		Approximate Gross weight (Kgs./ 100 Mtrs.)
						In conduit/ trunking (Amps.)	Unenclosed-clipped directly to a surface or on cable tray in Amps	
4.0	56/0.3**	4.95	6.5	0.8	1	24	29	6
6.0	84/0.3**	3.30	7.3	0.8	1.1	31	37	9.8
10.0	140/0.3**	1.91	8.6	1.0	1.1	42	51	13.2

Standard Colours: Red, Yellow, Blue, Black, Grey & Green (For Earthing) Any other colour on specific request can also be supplied, Conforming to IS:694.

*Conductor as per class 2 of IS:8130/2013 **Conductor as per class 5 of IS: 8130/2013 (for reference only) *As per IS 3961 (Part-V)-1968

Multi Core Wire Cords



Multicore cables are extremely versatile and are used for all kind of applications, especially those which would otherwise call for a high volume of cables. It has a varied application and are used in instruments, temporary wiring, connecting cords, power cords, harnesses.

Technical Data:

Approval : IS 694 : 2010 Marked

Voltage Grade : Up to and including 1100V

Conductor : Thin strands of electrolytic copper are multi-drawn for uniformity of resistance, dimension and flexibility. The strands are twisted with high precision to impart circularity of the conductor

Insulation : Specially formulated heat resistant and flame retardant PVC is used. These properties of PVC retards the propagation of flame without compromising safety

Insulation Conformity : IS 5831, Type - A / D

Sheath Insulation : IS 5831, Type - ST1

Cable Code : YY

Core Colours : Red, Yellow, Blue

Sheath Colour : Black, Grey, White

Marking : Cables are printed with "Jasbir Enterprise Cable <Size> 1100V CM/L : 3119141"

Packaging : 100 mtr. coil is packed in protective wrapping. Project Packing of 500/1000 mtr. is also available

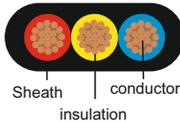
TECHNICAL SPECIFICATIONS FOR MULTI-CORE PVC INSULATED & SHEATHED COPPER CABLES WITH FLEXIBLE CONDUCTOR

Conductor Nominal Area (Sq.mm)	Number/ Nominal Dia. of Wire (No./mm)	Conductor Resistance (Max) \dot{U} /Km. @ 20°C in Ohms	Approximate Overall Dia.			Nominal thickness of insulation (mm)	Nominal thickness of sheath (mm)			Current Carrying Capacity, 1- ϕ		Approximate Gross weight		
			2 CORE	3 CORE	4 CORE		2 CORE	3 CORE	4 CORE	In conduit/trunking	Uneclosed-clipped directly to a surface or on cable tray	2 CORE	3 CORE	4 CORE
0.5	16/0.2**	39.0	6.6	7.1	7.8	0.6	0.9	0.9	0.9	3	4	5.2	6.5	7.5
0.75	24/0.2**	26.0	7	7.4	8.2	0.6	0.9	0.9	0.9	6	7	6.5	8	9.6
1.0	14/0.3*	18.1	7.4	7.9	8.6	0.6	0.9	0.9	0.9	11	12	7.5	9.1	9.8
1.5	22/0.3*	12.1	8.6	9	10.2	0.6	0.9	0.9	1	13	16	9.1	10.6	11.7
2.5	36/0.3*	7.41	10.1	10.5	11.8	0.7	1	1	1	18	22	11	14	19
4.0	56/0.3**	4.95	11.4	12	13.4	0.8	1	1	1	24	29	22	26	29
6.0	84/0.3**	3.30	12.7	13.4	15	0.8	1.1	1.2	1.2	31	37	25	30	42
10.0	140/0.3**	1.91	16.2	17.5	19	1	1.3	1.4	1.4	42	51	42	48	62

Standard Colours: Red, Yellow, Blue, Black & Green (For Earthing) Any other colour on specific request can also be supplied, Conforming t IS:694.

*Conductor as per class 2 of IS:8130/2013 **Conductor as per class 5 of IS: 8130/2013 (for reference only) *As per IS 3961 (Part-V)-1968

Flat cables



The PVC insulated and sheathed 2 & 3 core flat cables are mainly used in pump connections. They are also used in many industrial applications. The sheath is specially made out to resist tough and difficult outdoor conditions & are excellent resistant to water.

Technical Data:

Approval : IS 694 : 2010 Marked

Voltage Grade : Up to and including 1100V

Conductor : Thin strands of electrolytic copper are multi-drawn for uniformity of resistance, dimension and flexibility. The strands are twisted with high precision to impart circularity of the conductor

Insulation : Specially formulated heat resistant and flame retardant PVC is used. These properties of PVC retards the propagation of flame without compromising safety

Insulation Conformity : IS 5831, Type - A / D

Sheath Insulation : IS 5831, Type - ST1

Cable Code : YY

Core Colours : Red, Yellow, Blue

Sheath Colour : Black, Grey

Marking : Cables are printed with "Jasbir Enterprise<Size> 1100V CM/L : 3119141"

Packaging : 100 mtr. coil is packed in protective wrapping. Project Packing of 500/1000 mtr. is also available

TECHNICAL SPECIFICATIONS FOR THREE CORE FLAT PVC INSULATED & SHEATHED COPPER CABLES USED FOR SUBMERSIBLE PUMPS

Conductor Nominal Area (Sq.mm)	Number/ Nominal Dia. of Wire (No./mm)	Conductor Resistance (Max) Ω /Km. @ 20°C in Ohms	Approximate Overall Dia. (mm)	Nominal Thickness of Insulation (mm)	Nominal Thickness of Sheath (mm)	Current carrying capacity Two cables, single phase (Amps)		Approximate Gross Weight (Kgs./100 Mtrs.)
						In conduit/ trunking	Uneclosed-clipped directly to a surface or on cable tray	
1.5	22/0.3*	12.1	10.7 x 5.3	0.6	0.9	13	16	9.1
2.5	36/0.3*	7.41	13.0 x 6.2	0.7	1	18	22	11
4.0	56/0.3**	4.95	15.3 x 7.1	0.8	1	24	29	22
6.0	84/0.3**	3.30	19.2 x 8.4	0.8	1.1	31	37	25
10.0	140/0.3**	1.91	24.2 x 10.4	1	1.4	42	51	42

Standard Colours: Black & Gray or Any other colour on specific request can also be supplied, Conforming to IS:694.*Conductor as per class 2 of IS:8130/2013 **Conductor as per class 5 of IS: 8130/2013 (for reference only) *As per IS 3961 (Part-V)-1968

Unarmoured Power Cable



1100 V (AC) & 1500 kV (DC) to Earth

1 core, 2 cores, 3 cores, 3.5 cores, 4 cores Aluminium / Copper conductor, PVC insulated, unarmoured cables as per IS 1554 (Part - 1).

Technical Data:

Approval : IS 1554 (Part - 1) - 1998 Marked

Voltage Grade : Up to and including 1100V

Conductor : Solid wire of electrolytic copper are stranded for uniformity of resistance and dimension. The wires are stranded with high precision to impart proper shape of the conductor.

Insulation : Specially formulated heat resistant and flame retardant PVC is used. These properties of PVC retards the propagation of flame without compromising safety

Insulation Conformity : IS 5831, Type - A / D

Sheath Insulation : IS 5831, Type - ST1 / ST2

Cable Code : AYY - Aluminium , YY - Copper

Core Colours : Red, Yellow, Blue, Black

Sheath Colour : Black, Grey

Marking : Cables are printed with "Jasbir Enterprise <Size> 1100V CM/L : 8525884"

Packaging : 500m in bundle with protective wrapping, 1000m in drums

TECHNICAL SPECIFICATIONS FOR SINGLE CORE, PVC INSULATED UNARMoured CABLES

Conductor nominal area (Sq.mm)	Number of wire in conductor (Min.)	Conductor Resistance (Max) \dot{U} /Km. @ 20°C in Ohms		Approximate overall dia. (mm)	Nominal thickness of insulation (mm)	Nominal thickness of Sheath (mm)	Current carrying capacity two cables, single phase				Approximate Gross weight (Kgs/Km.)	
		CU	AL				In conduit/ trunking		Unclosed-clipped directly to a surface or on cable		CU	AL
							CU	AL	CU	AL		
1.5	1	12.1	18.1	6.6	0.8	1.8	13	10	15	12	60.3	51.4
2.5	1	7.41	12.1	7.2	0.9	1.8	17	13	20	16	77.6	62.2
4.0	1	4.61	7.41	7.84	1	1.8	23	18	27	21	105.56	80.8
6.0	1	3.08	4.61	8.4	1	1.8	29	22	34	26	124.94	83.95
10.0	7	1.83	3.08	9.15	1	1.8	39	31	46	36	169	101
16.0	7	1.15	1.91	10.7	1	1.8	53	41	62	48	245.25	146.25
25.0	7	0.727	1.2	12.45	1.2	1.8	67	52	79	61	355	185
35.0	7	0.524	0.868	13.6	1.2	1.8	86	65	86	78	464	383
50.0	19	0.387	0.641	15.4	1.4	1.8	100	82	109	84	641	332
70.0	19	0.268	0.443	17.15	1.4	1.8	120	90	128	100	855	422
95.0	19	0.193	0.32	19.9	1.6	2	150	110	157	121	1145	556
120.0	19	0.153	0.253	21.2	1.6	2	180	145	180	145	1396	654

Unarmoured Power cables

TECHNICAL SPECIFICATIONS FOR TWO CORE, PVC INSULATED (HEAVY DUTY) UNARMOURED CABLES

Nominal Cross Sectional Area (Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Minimum Thickness of Inner Sheath (mm)	Nominal Thickness of Outer Sheath (mm)	Approx Overall Diameter (mm)	Approx. Net Wt. of Cable (Kg/Km)		Normal Current Rating (Amps)					
	AL	CU					With AL. Conductor			With CU. Conductor				
							Ground	Duct	Air	Ground	Duct	Air		
1.5	1	1\7	0.8	0.3	1.8	10	118	138	9	8	10	11	13	11
2.5	1	1\7	0.9	0.3	1.8	11	143	174	12	11	13	15	17	15
4	1	1\7	1	0.3	1.8	14	240	290	16	15	18	20	23	23
6	1	1\7	1	0.3	1.8	17	300	370	21	20	23	25	29	32
10	1	6	1	0.3	1.8	18	400	520	26	25	28	34	39	40
16	6	6	1	0.3	1.8	17	430	630	36	35	38	47	53	55
25	6	6	1.2	0.3	2	19	450	750	48	45	50	60	67	70
35	6	6	1.2	0.3	2	21	550	980	61	58	63	75	83	85
50	6	6	1.4	0.3	2	24	700	1300	84	71	97	100	105	110

TECHNICAL SPECIFICATIONS FOR THREE CORE, PVC INSULATED UNARMOURED (HEAVY DUTY) POWER CABLES

Nominal Cross Sectional Area(Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Minimum Thickness of Inner Sheath (mm)	Nominal Thickness of Outer Sheath (mm)	Approx Overall Diameter(mm)	Approx. Net Wt. of Cable (Kg/Km)		Normal Current Rating (Amps)					
	AL	CU					With AL. Conductor			With CU. Conductor				
							Ground	Duct	Air	Ground	Duct	Air		
1.5	1	1	0.8	0.3	1.8	11	143.2	172	12	10	10	20	16	16
2.5	1	1	0.9	0.3	1.8	12	173	219	19	16	16	28	24	24
4	1	1/7	1.0	0.3	1.8	16	280	330	28	23	23	36	30	30
6	1	1/7	1.0	0.3	1.8	18	350	460	35	30	30	45	38	39
10	1	6	1.0	0.3	1.8	19	430	640	46	39	40	60	50	52
16	6	6	1.0	0.3	1.8	19	450	720	60	50	51	77	64	66
25	6	6	1.2	0.3	2.0	22	610	1070	76	63	70	99	81	90
35	6	6	1.2	0.3	2.0	24	730	1390	92	77	86	120	99	110
50	6	6	1.4	0.3	2.0	27	930	1860	110	95	105	145	125	135

TECHNICAL SPECIFICATIONS FOR FOUR CORE (WITH REDUCED NUTRAL), PVC INSULATED UNARMOURED (HEAVY DUTY)

Nominal Cross Sectional Area(Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Minimum Thickness of Inner Sheath (mm)	Nominal Thickness of Outer Sheath (mm)	Approx Overall Diameter (mm)	Approx. Net Wt. of Cable (Kg/Km)		Normal Current Rating (Amps)					
	AL	CU					With AL. Conductor			With CU. Conductor				
							Ground	Duct	Air	Ground	Duct	Air		
3*25+16	6/6	6/6	1.2/1.0	0.3	2.0	24	680	1250	76	63	70	81	90	90
3*35+16	6/6	6/6	1.2/1.0	0.3	2.0	26	830	1585	92	77	86	99	110	110
3*50+25	6/6	6/6	1.4/1.2	0.3	2.0	29	1030	2080	110	95	105	125	135	135

TECHNICAL SPECIFICATIONS FOR FOUR CORE , PVC INSULATED UNARMOURED (HEAVY DUTY) POWER CABLES

Nominal Cross Sectional Area(Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Minimum Thickness of Inner Sheath (mm)	Nominal Thickness of Outer Sheath (mm)	Approx Overall Diameter(mm)	Approx. Net Wt. of Cable (Kg/Km)		Normal Current Rating (Amps)					
	AL	CU					With AL. Conductor			With CU. Conductor				
							Ground	Duct	Air	Ground	Duct	Air		
1.5	1	1	0.8	0.3	1.8	11.5	160	198	12	10	10	20	16	16
2.5	1	1	0.9	0.3	1.8	13	204	266	19	16	16	28	24	24
4	1	1/7	1.0	0.3	1.8	16	290	390	28	23	23	36	30	30
6	1	1/7	1.0	0.3	1.8	18	380	530	35	30	30	45	38	39
10	1	6	1.0	0.3	1.8	20	530	770	46	39	40	60	50	52
16	6	6	1.0	0.3	2.0	23	550	940	60	50	51	77	64	66
25	6	6	1.2	0.3	2.0	26	740	1350	76	63	70	99	81	90
35	6	6	1.2	0.3	2.0	30	925	1785	92	77	86	120	99	110
50	6	6	1.4	0.4	2.2	34	1230	2480	110	95	105	145	125	135

Armoured Power Cable



1100 V (AC) & 1500 V (DC) to Earth

1 core, 2 cores, 3 cores, 3.5 cores, 4 cores Aluminium / Copper conductor, PVC insulated, galvanised steel strip/formed wire armoured cables as per IS 1554 (Part - 1).

Technical Data:

Approval : IS 1554 (Part - 1) 1998 Marked

Voltage Grade : Up to and including 1100V

Conductor : Solid wires of electrolytic copper are stranded for uniformity of resistance and dimension. The wires are stranded with high precision to impart proper shape of the conductor.

Insulation : Specially formulated heat resistant and flame retardant PVC is used. These properties of PVC retards the propagation of flame without compromising safety.

Insulation Conformity : IS 5831, Type - A / D

Sheath Insulation : IS 5831, Type - ST1 / ST2

Cable Code : AYWY / AYFY - Aluminium , YWY / YFY - Copper

Core Colours : Red, Yellow, Blue, Black

Sheath Colour : Black

Marking : Cables are printed with "Jasbir Enterprise <Size> 1100V CM/L : 8525884" 

Packaging : 500m / 1000m packing in drums.

TECHNICAL SPECIFICATIONS FOR SINGLE CORE, PVC INSULATED ARMURED (HEAVY DUTY) POWER CABLES

Nominal Cross Sectional Area (Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Armouring with Flat Strip				Armouring with Round Wire				Normal Current Rating (Amps)							
				Nominal Thickness of strip (mm)	Min Thick of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		Nominal Thickness of wire (mm)	Min Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		With AL. Conductor			With CU. Conductor		
	AL	CU					AL	CU				AL	CU	Ground	Duct	Air	Ground	Duct	Air
16	6	6	1.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	14	250	350	66	65	64	85	83	82
25	6	6	1.5	N/A	N/A	N/A	N/A	N/A	1.4	1.24	15	300	450	86	84	84	110	110	110
35	6	6	1.5	N/A	N/A	N/A	N/A	N/A	1.4	1.24	16	350	560	100	100	105	130	130	130
50	6	6	1.7	N/A	N/A	N/A	N/A	N/A	1.4	1.24	18	450	750	120	115	130	155	165	165
70	12	12	1.7	N/A	N/A	N/A	N/A	N/A	1.4	1.4	20	550	980	140	135	155	190	205	205
95	15	15	1.9	0.8	1.4	21	650	1230	1.6	1.4	22	700	1300	175	155	190	220	245	245
120	15	18	1.9	0.8	1.4	23	750	1500	1.6	1.4	24	800	1550	195	170	220	250	280	280

Armoured Power cables

TECHNICAL SPECIFICATIONS FOR TWO CORE, PVC INSULATED ARMoured (HEAVY DUTY) POWER CABLES

Nominal Cross Sectional Area (Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Min Thickness of Inner Sheath (mm)	Armouring with Flat Strip					Armouring with Round Wire				Normal Current Rating (Amps)						
					Nominal Thickness of strip (mm)	Min Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		Nominal Thickness of strip (mm)	Minimum Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		With AL Conductor			With CU Conductor		
	AL	CU						AL	CU				AL	CU	Ground	Duct	Air	Ground	Duct	Air
4	-	1/7	1	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	18	600	650	32	27	27	41	35	35
6	1	1/7	1	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	19	660	730	40	34	35	50	44	45
10	1	6	1	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	20	750	870	55	45	47	70	58	60
16	6	6	1	0.3	0.8	1.4	18	580	780	1.6	1.4	20	750	950	70	58	59	90	75	78
25	6	6	1.2	0.3	0.8	1.4	20	700	1000	1.6	1.4	22	900	1200	90	76	78	115	97	105
35	6	6	1.2	0.3	0.8	1.4	22	800	1230	1.6	1.4	23	1030	1450	110	92	99	140	120	125
50	6	6	1.4	0.4	0.8	1.4	25	1000	1620	1.6	1.56	26	1300	1900	135	115	125	165	145	155

TECHNICAL SPECIFICATIONS FOR THREE CORE, PVC INSULATED ARMoured (HEAVY DUTY) POWER CABLES

Nominal Cross Sectional Area (Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Min Thickness of Inner Sheath (mm)	Armouring with Flat Strip					Armouring with Round Wire				Normal Current Rating (Amps)						
					Nominal Thickness of strip (mm)	Min Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		Nominal Thickness of strip (mm)	Minimum Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		With AL Conductor			With CU Conductor		
	AL	CU						AL	CU				AL	CU	Ground	Duct	Air	Ground	Duct	Air
4	-	1/7	1.0	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	18	570	620	28	23	23	36	30	30
6	1	1/7	1.0	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	19	670	780	35	30	30	45	38	39
10	1	6	1.0	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	21	870	1080	46	39	40	60	50	52
16	6	6	1.0	0.3	0.8	1.40	20	690	990	1.6	1.40	21	920	1230	60	50	51	77	64	66
25	6	6	1.2	0.3	0.8	1.40	23	890	1340	1.6	1.40	23	1070	1520	76	63	70	99	81	90
35	6	6	1.2	0.3	0.8	1.40	24	990	1640	1.6	1.40	26	1280	1930	92	77	86	120	99	110
50	6	6	1.4	0.4	0.8	1.56	27	1300	2220	1.6	1.56	29	1580	2510	110	95	105	145	125	135

TECHNICAL SPECIFICATIONS FOR THREE CORE (WITH REDUCED NEUTRAL), PVC INSULATED ARMoured (HEAVY DUTY) POWER CABLES

Nominal Cross Sectional Area (Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Min Thickness of Inner Sheath (mm)	Armouring with Flat Strip					Armouring with Round Wire				Normal Current Rating (Amps)						
					Nominal Thickness of strip (mm)	Min Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		Nominal Thickness of strip (mm)	Minimum Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		With AL Conductor			With CU Conductor		
	AL	CU						AL	CU				AL	CU	Ground	Duct	Air	Ground	Duct	Air
3x25+16	6/6	6/6	1.2/1.0	0.3	0.8	1.40	24	1000	1550	1.6	1.40	26	1285	1825	76	63	70	99	81	90
3x35+16	6/6	6/6	1.2/1.0	0.3	0.8	1.40	26	1200	1950	1.6	1.40	28	1425	2125	92	77	86	120	99	110
3x50+25	6/6	6/6	1.4/1.2	0.3	0.8	1.56	30	1500	2600	1.6	1.56	31	1785	2790	110	95	105	145	125	135

TECHNICAL SPECIFICATIONS FOR FOUR CORE, PVC INSULATED ARMoured (HEAVY DUTY) POWER CABLES

Nominal Cross Sectional Area (Sq. mm)	Minimum No. of Strands in Conductor		Nominal Thickness of Insulation (mm)	Min Thickness of Inner Sheath (mm)	Armouring with Flat Strip					Armouring with Round Wire				Normal Current Rating (Amps)						
					Nominal Thickness of strip (mm)	Min Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		Nominal Thickness of strip (mm)	Minimum Thick Of Out Sheath (mm)	Approx Overall Dia. (mm)	Approx Net Wt of Cable (kg/km)		With AL Conductor			With CU Conductor		
	AL	CU						AL	CU				AL	CU	Ground	Duct	Air	Ground	Duct	Air
4	1	1/7	0.7	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	18	540	640	28	23	23	36	30	30
6	1	1/7	0.7	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.24	19	590	760	35	30	30	45	38	39
10	1	6	0.7	0.3	N/A	N/A	N/A	N/A	N/A	1.4	1.4	21	655	940	46	39	40	60	50	52
16	6	6	0.7	0.3	0.8	1.4	20	700	1100	1.6	1.4	22	920	1280	60	50	51	77	64	66
25	6	6	0.9	0.3	0.8	1.4	24	900	1500	1.6	1.4	26	1185	1750	76	63	70	99	81	90
35	6	6	0.9	0.3	0.8	1.4	27	1100	2000	1.6	1.4	28	1420	2185	92	77	86	120	99	110
50	6	6	1	0.3	0.8	1.56	30	1400	2500	1.6	1.56	32	1730	2830	110	95	105	145	125	135