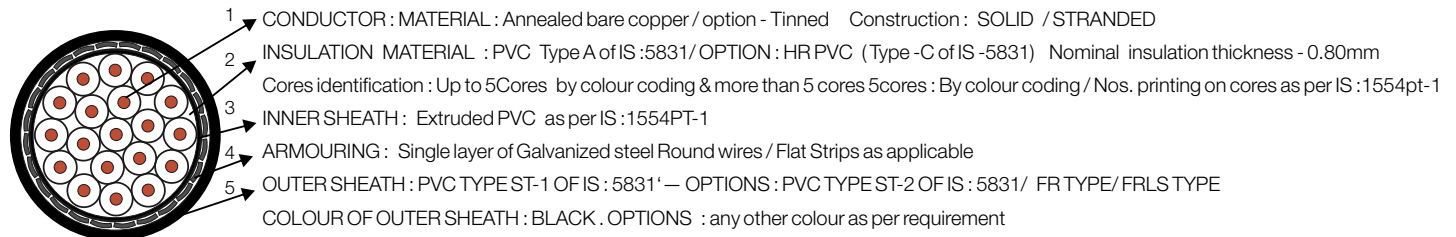


Physical Parameters

No of Cores	Minimum Thick. of inner Sheath (mm)	Norm thick. of outer Sheath mm	UNARMoured (YY)				ARMoured WITH FLAT STRIPS (YFY)				ARMoured WITH ROUND WIRES (YWY)							
			Approx. Overall Diameter (mm)		Approx. Net Wt of cable (Kg/KM)		Nominal Thickness of Armour strip (mm)	Minimum Thickness of outr sh. (mm)	Approx. Overall Diameter (mm)		Approx. Net Wt of cable (Kg/KM)		Nominal Dia of Armour wire (mm)	Minimum Thickness of outr sh. (mm)	Approx. Overall Diameter (mm)		Approx. Net Wt of cable (Kg/KM)	
			Solid cond.	Std. Cond.	Solid cond.	Std. Cond.			Solid cond.	Std. Cond.	Solid cond.	Std. Cond.			Solid cond.	Std. Cond.		
2	0.30	1.8	12	12	180	180	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	13	14	400	420
3	0.30	1.8	12.5	13	200	210	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	14	14	450	450
4	0.30	1.8	13	14	230	250	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	15	15	500	500
5	0.30	1.8	14	14	250	250	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	16	16	520	550
6	0.30	1.8	15	15	290	300	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	17	17	580	600
7	0.30	1.8	15	15	310	320	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	17	17	650	680
10	0.30	1.8	18	19	420	450	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.40	20	21	800	840
12	0.30	1.8	19	20	470	500	0.80	1.24	19	20	700	745	1.60	1.40	21	22	940	970
14	0.30	1.8	20	20	530	550	0.80	1.40	20	21	800	820	1.60	1.40	22	23	1000	1050
16	0.30	1.8	21	21	600	600	0.80	1.40	21	22	850	900	1.60	1.40	23	24	1100	1100
19	0.30	2.0	22	23	700	720	0.80	1.40	22	23	950	1000	1.60	1.40	24	25	1200	1250
24	0.30	2.0	25	26	850	900	0.80	1.40	25	27	1150	1200	1.60	1.40	27	28	1450	1500
27	0.30	2.0	26	27	920	995	0.80	1.40	26	27	1250	1300	1.60	1.40	28	29	1500	1550
30	0.30	2.0	27	28	1000	1050	0.80	1.40	27	28	1330	1400	1.60	1.40	29	30	1650	1700
37	0.30	2.0	28	29	1200	1240	0.80	1.40	29	30	1530	1600	1.60	1.40	30	32	1850	1950
40	0.30	2.0	29	30	1270	1300	0.80	1.40	30	31	1650	1750	1.60	1.56	32	35	2000	2100
44	0.30	2.0	31	33	1400	1450	0.80	1.56	32	34	1850	1950	1.60	1.56	34	36	2200	2300
52	0.40	2.0	33	35	1650	1700	0.80	1.56	34	35	2050	2150	2.00	1.56	36	38	2700	2800
61	0.40	2.2	35	37	1850	1950	0.80	1.56	35	37	2300	2450	2.00	1.56	38	40	3000	3100

Cross- Sectional View



~ Tabulated approx. net wt. of cables are only guidelines for transportation, loading & unloading purpose .
~ Please ref page no 43 for normal delivery lengths & packing details.

Electrical Parameters

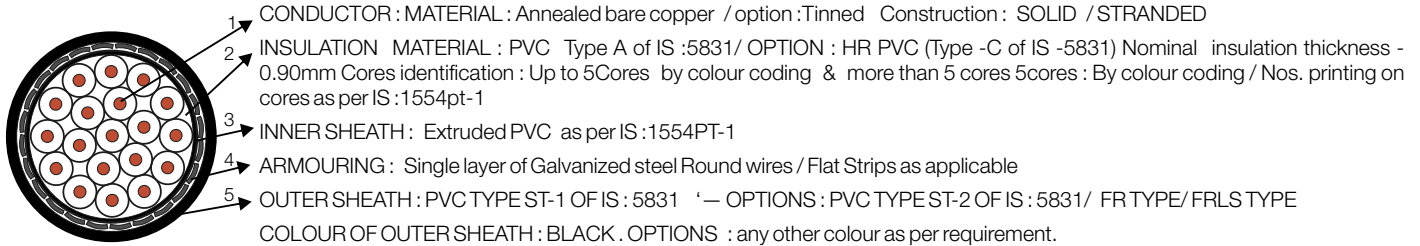
	Max. Cond. D.C. Resistance at 20°C in Ohm/km	App. Cond. A.C. Resistance at in Ohm/km		Reactance of cable at 50HZ in ohms/km	Appro. Capacitance of cable in microF/KM	Normal* Current Rating in Amps						Short Circuit Current Rating for 1Sec. duration	
		at 70°C	at 85°C			With general insulation			With H. R. insulation			With Gen. Purpose	With Heat Resis. Insulation
						Ground	Duct	Air	Ground	Duct	Air		
2	12.10	14.52	15.2	0.112	0.20	23	20	20	26	24	24	0.173	0.156
3	12.10	14.52	15.2	0.112	0.20	21	17	17	24	21	21	0.173	0.156
4	12.10	14.52	15.2	0.112	0.20	21	17	17	24	21	21	0.173	0.156
5	12.10	14.52	15.2	0.112	0.20	21	17	17	24	21	21	0.173	0.156
6	12.10	14.52	15.2	0.112	0.20	15	13	13	17	16	16	0.173	0.156
7	12.10	14.52	15.2	0.112	0.20	14	13	13	16	15	15	0.173	0.156
10	12.10	14.52	15.2	0.112	0.20	13	11	11	15	13	13	0.173	0.156
12	12.10	14.52	15.2	0.112	0.20	12	10	10	14	12	12	0.173	0.156
14	12.10	14.52	15.2	0.112	0.20	11	10	10	13	12	12	0.173	0.156
16	12.10	14.52	15.2	0.112	0.20	11	9	9	13	11	11	0.173	0.156
19	12.10	14.52	15.2	0.112	0.20	10	9	9	11	11	11	0.173	0.156
24	12.10	14.52	15.2	0.112	0.20	9	8	8	10	10	10	0.173	0.156
27	12.10	14.52	15.2	0.112	0.20	9	8	8	10	10	10	0.173	0.156
30	12.10	14.52	15.2	0.112	0.20	9	7	7	10	8	8	0.173	0.156
37	12.10	14.52	15.2	0.112	0.20	8	7	7	9	8	8	0.173	0.156
40	12.10	14.52	15.2	0.112	0.20	8	7	7	9	8	8	0.173	0.156
44	12.10	14.52	15.2	0.112	0.20	7	7	7	8	7	7	0.173	0.156
52	12.10	14.52	15.2	0.112	0.20	6	6	6	7	7	7	0.173	0.156
61	12.10	14.52	15.2	0.112	0.20	6	6	6	7	7	7	0.173	0.156

Note : Normal current ratings are given in standard conditions (as given in page no -40,41), if site conditions are different, current rating should be multiplied by rating factor as given in page no. 42

Physical Parameters

No of Cores	Minimum Thick. of inner Sheath (mm)	Nom thick. of outer Sheath mm	UNARMoured (YY)				ARMoured WITH FLAT STRIPS (YFY)				ARMoured WITH ROUND WIRES (YWY)							
			Approx. Overall Diameter (mm)		Approx. Net Wt of cable (Kg/KM)		Nominal Thickness of armour strip (mm)	Minimum Thickness of cable of out. sth. (mm)	Approx. Overall Diameter (mm)		Approx. Net Wt of cable (Kg/KM)		Minimum Dia of wire (mm)	Minimum Thickness of Armour (mm)	Approx. Overall outer sheath Diameter (mm)		Approx. Net Wt of cable (Kg/KM)	
			Solid cond.	Std. Cond.	Solid cond.	Std. Cond.			Solid cond.	Std. Cond.	Solid cond.	Std. Cond.			Solid cond.	Std. Cond.	Solid cond.	Std. Cond.
2	0.30	1.8	13	13	220	240	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	14	15	480	500
3	0.30	1.8	14	14	260	270	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	15	16	530	550
4	0.30	1.8	15	15	310	320	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	16	17	600	620
5	0.30	1.8	16	16	340	350	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	17	18	640	680
6	0.30	1.8	17	17	390	420	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	19	20	730	750
7	0.30	1.8	17	17	424	440	N/A	N/A	N/A	N/A	N/A	N/A	1.40	1.24	19	20	760	790
10	0.30	1.8	20	21	570	600	0.80	1.40	21	22	850	900	1.60	1.40	23	24	1100	1150
12	0.30	2.0	21	22	670	700	0.80	1.40	22	23	950	1000	1.60	1.40	24	25	1180	1250
14	0.30	2.0	22	24	750	800	0.80	1.40	23	24	1050	1035	1.60	1.40	25	26	1300	1350
16	0.30	2.0	24	25	840	900	0.80	1.40	24	25	1120	1150	1.60	1.40	26	27	1400	1450
19	0.30	2.0	25	26	950	1000	0.80	1.40	25	26	1250	1330	1.60	1.40	27	28	1550	1620
24	0.30	2.0	28	30	1200	1260	0.80	1.40	29	30	1550	1630	1.60	1.56	31	32	1900	2000
27	0.30	2.0	29	31	1300	1350	0.80	1.40	30	31	1650	1750	1.60	1.56	32	33	2050	2100
30	0.30	2.0	30	32	1400	1500	0.80	1.56	31	32	1800	1920	1.60	1.56	33	34	2200	2250
37	0.40	2.2	33	34	1700	1800	0.80	1.56	34	35	2100	2225	2.00	1.56	36	37	2800	2900
40	0.40	2.2	34	36	1850	1900	0.80	1.56	35	36	2300	2400	2.00	1.56	37	39	2950	3100
44	0.40	2.2	36	38	2000	2100	0.80	1.56	37	37	2500	2600	2.00	1.56	40	41	3200	3350
52	0.40	2.2	38	40	2350	2450	0.80	1.56	39	41	2850	2950	2.00	1.72	42	43	3600	3700
61	0.40	2.2	40	43	2700	2800	0.80	1.56	41	43	3250	3350	2.00	1.72	44	46	4000	4200

Cross- Sectional View



- Tabulated approx. net wt. of cables are only guidelines for transportation, loading & unloading purpose.
- Please ref page no 43 for normal delivery lengths & packing details.

Electrical Parameters

	Max. Cond. D.C. Resistance at 20°C in Ohm/km	App. Resist. A.C. Resistance at in Ohm/km		Reactance of cable at 50HZ in ohms/km	Appro. Capacitance of cable in microF/KM	Normal* Current Rating in Amps						Short Circuit Current Rating for 1Sec. duration	
		at 70°C	at 85°C			With general insulation			With H. R. insulation			General Insulation	Heat Insulation
						Ground	Duct	Air	Ground	Duct	Air		
2	7.41	8.89	9.34	0.107	0.22	32	27	27	38	32	32	0.288	0.260
3	7.41	8.89	9.34	0.107	0.22	27	24	24	30	28	28	0.288	0.260
4	7.41	8.89	9.34	0.107	0.22	27	24	24	30	28	28	0.288	0.260
5	7.41	8.89	9.34	0.107	0.22	27	24	24	30	28	28	0.288	0.260
6	7.41	8.89	9.34	0.107	0.22	21	18	18	24	21	21	0.288	0.260
7	7.41	8.89	9.34	0.107	0.22	20	17	17	22	20	20	0.288	0.260
10	7.41	8.89	9.34	0.107	0.22	18	15	15	20	16	16	0.288	0.260
12	7.41	8.89	9.34	0.107	0.22	17	14	14	19	16	16	0.288	0.260
14	7.41	8.89	9.34	0.107	0.22	16	13	13	18	15	15	0.288	0.260
16	7.41	8.89	9.34	0.107	0.22	15	13	13	17	15	15	0.288	0.260
19	7.41	8.89	9.34	0.107	0.22	14	12	12	16	14	14	0.288	0.260
24	7.41	8.89	9.34	0.107	0.22	13	11	11	14	13	13	0.288	0.260
27	7.41	8.89	9.34	0.107	0.22	12	10	10	13	12	12	0.288	0.260
30	7.41	8.89	9.34	0.107	0.22	12	10	10	13	12	12	0.288	0.260
37	7.41	8.89	9.34	0.107	0.22	11	9	9	12	10	10	0.288	0.260
40	7.41	8.89	9.34	0.107	0.22	11	9	9	12	10	10	0.288	0.260
44	7.41	8.89	9.34	0.107	0.22	10	9	9	11	10	10	0.288	0.260
52	7.41	8.89	9.34	0.107	0.22	9	8	8	10	10	10	0.288	0.260
61	7.41	8.89	9.34	0.107	0.22	8	8	8	9	9	9	0.288	0.260

Note : Normal current ratings are given in standard conditions (as given in page no -40,41), if site conditions are different, current rating should be multiplied by rating factor as given in page no. 42