

SINGLE & MULTICORE FLEXIBLE CABLES



1-90mtrs Sequential Marking



 **DARSHAN PLUS** FB 1100Y 1.0 SQ.MM 14/0.80 IS:694 CM/L 7200000 90 MTRS.

DARSHAN PLUS



Empowering Lives

'Darshan' : The brand has an illustrious history of performance for the past 25 years, 'Darshan' brand cables have been bought by our happy & satisfied consumers all over the Gujarat State and in other state successfully supported the brand. We have grown in top leading brands category. Manufactured on state-of-art machinery to stringent quality standard, Darshan name has always inspired great confidence and trust. In order to continue to offer our consumer full value-for-money, the Darshan brand now offers the ultimate single core and multi-core flexible cable-'**DARSHAN PLUS**'.

Darshan Plus : Darshan Plus single core and multi-core cables have been specifically designed and consistent quality developed and achieved after a through extensive and deep study of the causes of wire/cable failures.

Enhanced Conduction : High purity, bright electrolytic grade, annealed copper are bunched to technical parameters that ensure flexibility and uniform resistance.

Superior Insulation : Only flexible grade PVC compound manufactured in house is used. Meticulously checked for high di-electric strength with high insulation resistant, high thermal stability & ageing characteristics & minimum loss of mass.

Sheath : In Multi-core cable laid up in round, parallel or flat position the sheathing is provided with a specially formulated PVC compound to facilitate not only ease in strapping but also with stand mechanical abrasion while in use.

Multi-core Cables : In case of multi-core cable the insulated core are laid up to from the core assembly. The inner cores are coded with numbers for easy identification as per National/International coding practices. (If required)

Darshan Plus PVC insulated single core and multi-core sheathed cables are manufactured as per IS 694, in sizes from 0.5 sq. mm to 50 sq. mm in single core and in sizes 0.5 sq. mm. to 4.0 sq. mm., up to 5 cores. These sizes carry the prestigious ISI mark and are duly approved by FIA/TAC. The rest of sizes generally conform to ISI 694 .

Marking : Non-contact ink-jet printer ensures continuous print with SEQUENTIAL MARKING throughout the cable length, as also the correct and complete length of every coil bought by our customers.

Application : PVC insulated single core & multi-core flexible cables have a wide range of application in appliances, lift, control panels, machine tools, machinery and industries of every nature.

Quality Approved : PWD, DGS & D, ONGC LTD., IFFCO, R&B, Kandla Port Trust, Gujarat state Police Housing Corp. Ltd. & many other business house, Government Agencies & also the Nagar Palika's has appraised our product by approval.

The extra technicale expertise in the manufacturing process has earned "**DARSHAN PLUS**" the certification of ISO:9001, ISI:694, ERDA, RTC CPRI, CEPT, NTH, GWSSB, IEC-332-2, IEC - 60227-3, for our product.

Our most respected client includes :
Relience Industries, Relience Petroleum, Essar etc.

TABLE 1 : Single Core/Multicore Flexible Cables as per IS 694 : Voltage grade up to 1100 volts

Area Sq.mm.			0.5	0.75	1.0	1.5	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
Conductor	No. & Size of wire (Nom.)	No./mm	16/.2	24/.2	32/.2	30/.25 OR 48/.2	50/.25 OR 80/.2	56/.3	84/0.3	80/.4 OR 140/.3	126/.4	196/.4	276/.4	396/.4
	Resistance (Max.) @ 20°C	Ohms/km	39.0	26.0	19.5	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386
Insulation	Current Rating - AC	Amps	4	7	12	15	20	27	35	46	62	80	102	138
	Thickness (Nom.)	mm.	0.6	0.6	0.6	0.6	0.7	0.8	0.8	1.0	1.0	1.2	1.2	1.4
Single Core Unsheathed	Overall Diameter (Approx.)	mm.	2.20	2.45	2.50	2.90	3.55	4.30	5.20	6.70	7.80	9.70	10.90	13.20
Single Core Sheathed	Sheathe Thickness (Nom.)	mm.	0.9	0.9	0.9	0.9	1.0	1.0						
	Overall Diameter (Approx.)	mm.	4.00	4.25	4.50	4.80	5.45	6.30						
Twin Flat Sheathed	Overall Width (Approx.)	mm.	6.2	6.7	-	-	-	-						
	Overall Height (Approx.)	mm.	4.0	4.25	-	-	-	-						
2 Core	Sheathe Thickness (Nom.)	mm.	0.9	0.9	0.9	0.9	1.0	1.0						
	Overall Diameter (Approx.)	mm.	6.5	7.0	7.3	7.8	9.5	11.0						
3 Core	Sheathe Thickness (Nom.)	mm.	0.9	0.9	0.9	0.9	1.0	1.0						
	Overall Diameter (Approx.)	mm.	6.9	7.4	7.7	8.2	10.0	11.5						
4 Core	Sheathe Thickness (Nom.)	mm.	0.9	0.9	0.9	1.0	1.0	1.0						
	Overall Diameter (Approx.)	mm.	7.5	8.0	8.5	9.5	11.0	13.0						
5 Core	Sheathe Thickness (Nom.)	mm.	0.9	0.9	1.0	1.0	1.0	1.1						
	Overall Diameter (Approx.)	mm.	8.3	9.0	9.5	10.5	12.0	14.0						

IS : 694

CM/L : 7296385

Note : The Conductor Construction given above is indicative only and will be such that all requirement of strand diameter and Conductor resistance as per IS 694 and IS 8130 are met.

TABLE 2 : Single Core Flexible Cables Generally Conforming to IS 694 : Voltage grade up to 1100 volts

Area Sq.mm.			70.0	95.0	120.0	150.0	185.0	240.0
Conductor	No. & Size Of Wire	No./mm	360/.5	475/.5	608/.5	750/.5	925/.5	1221/.5
	Max.Res. @20°C	Ohms/km	0.272	0.206	0.161	0.129	0.106	0.0801
	Current DC/AC	Amps	214	260	305	355	415	500
Insulation	Thickness (Nom.)	mm	1.4	1.6	1.6	1.8	2.0	2.2
	O.D. (Approx.)	mm	15.3	17.9	19.4	21.9	24.5	28.0

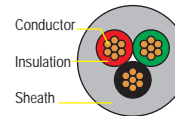
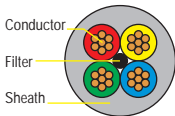
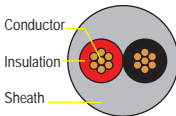
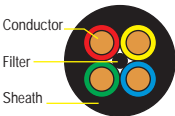
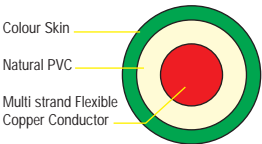


TABLE 3 : Flexible Multicore Cables (6 Cores to 19 cores) Generally Conforming to IS 694 : Valtage Grade upto 1100 Volts

Cores	Area sq. mm.	0.5	0.75	1.0	1.5	2.5	4.0
6	Sheath Thickness (Nom.) mm	0.9	1.0	1.0	1.0	1.1	1.2
	Overall Diameter (Approx.) mm	9.0	10.0	10.5	11.5	13.5	16.0
7	Sheath Thickness (Nom.) mm	0.9	1.0	1.0	1.0	1.1	1.2
	Overall Diameter (Approx.) mm	9.0	10.0	10.5	11.5	13.5	16.0
8	Sheath Thickness (Nom.) mm	1.0	1.0	1.0	1.1	1.2	1.3
	Overall Diameter (Approx.) mm	9.5	10.5	11.0	12.0	14.5	17.0
10	Sheath Thickness (Nom.) mm	1.0	1.1	1.1	1.1	1.3	1.4
	Overall Diameter (Approx.) mm	11.5	12.5	13.5	14.5	17.5	19.5
12	Sheath Thickness (Nom.) mm	1.0	1.1	1.1	1.1	1.3	1.4
	Overall Diameter (Approx.) mm	12.0	13.0	14.0	15.0	18.0	20.5
14	Sheath Thickness (Nom.) mm	1.1	1.1	1.1	1.2	1.3	1.4
	Overall Diameter (Approx.) mm	12.5	14.0	14.5	16.0	19.0	22.5
16	Sheath Thickness (Nom.) mm	1.1	1.2	1.2	1.2	1.4	1.5
	Overall Diameter (Approx.) mm	13.5	14.5	15.5	17.0	20.5	24.0
19	Sheath Thickness (Nom.) mm	1.1	1.2	1.3	1.3	1.4	1.5
	Overall Diameter (Approx.) mm	14.5	15.5	17.0	18.0	21.5	25.5

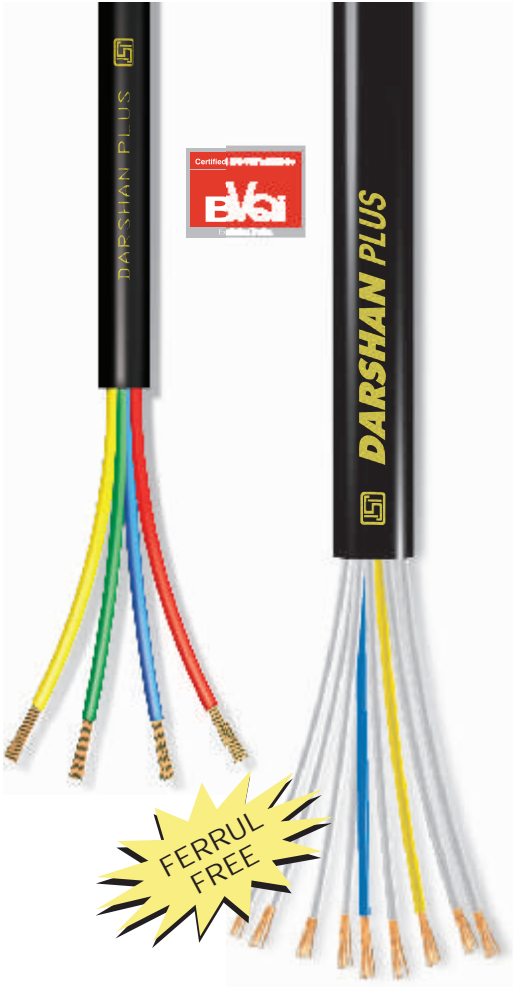


TABLE 4 : Three & Four Core Flexible Cables For Voltage Grade upto 1100 Volts.

		Area sq. mm.	6.0	10.0	16.0	25.0	35.0	50.0	70.0	95.0	120.0
No. & Size of Wire		No./mm	84/.3	140/.3 OR 80/.4	226/.3 OR 126/.4	354/.3 OR 196/.4	495/.3 OR 276/.4	703/.3 OR 396/.4	360/.5	475/.5	608/.5
Conductor	Max. Res @ 20°C	Ohms/Km	3.30	1.91	1.21	0.78	0.554	0.386	0.272	0.206	0.161
	Current	Amps	31	42	57	72	91	120	165	200	225
Insulation	Thickness	mm	0.8	1.0	1.0	1.2	1.2	1.4	1.4	1.6	1.6
3-Core	Sheath Thickness (Nom.)	mm	1.3	1.4	1.4	1.5	1.6	2.0	2.2	2.4	2.5
	O.D. (Approx.)	mm	14.0	18.0	21.0	25.5	29.0	33.0	38.5	45.0	49.0
4-Core	Sheath Thickness (Nom.)	mm	1.4	1.4	1.4	1.6	1.7	2.0	2.2	2.4	2.5
	O.D. (Approx.)	mm	16.5	19.0	23.0	28.5	33.0	35.0	40.0	46.5	51.0

Single Core Flexible Cables for UPS Cabling

PVC Insulated single core flexible cables in grey and white colour are ideal for use in cabling for UPS in establishment that have large computer networks. These unique colours can help identify the cabling for UPS wiring in the circuit and are available in sizes 0.5 sq. mm to 6.0 sq. mm. These cables conforming to IS 694 , carry the prestigious ISI mark and are duly approved by FIA/TAC. **These cables can also be made available with FR or FRLS or ZHFR insulating compound on request.** technical details as per Table 1.

Type	Colours	
	Core	Sheath
Single Core Unsheathed	Red, Yellow, Blue, Black, Green, White & Grey	Black
Single Core Sheathed	Black	Black
Twin Twisted	Red & Black	Black
Twin Flat Sheathed	Red & Black	Black
2 Core Round Sheathed	Red & Black	Black
3 Core Round Sheathed	Red, Black & Green/Yellow for earth	Black
4 Core Round Sheathed	Red, Yellow, Blue & Green/Yellow for earth	Black
5 Core Round Sheathed	Red, Yellow, Blue, Black & Grey	Black

Note : Any required colour can be provided on specific request.





DARSHAN CABLE INDUSTRIES

Mfg. of 3 Core Submersible Flat & Flexible Cables

Office : 128, Sunrise Super Mall, Near Swaminarayan Temple,
Vastrapur, Ahmedabad 38 00 53. Gujarat.

Telefax : +91+79+4003 5342, 2676 6730

Works : C/1, 135/A, Phase (I) Vatva, G.I.D.C. Estate,
Near Pushpak Estate Ahmedabad - 382 445.

Fax : +91+79+25830347

E-mail : info@darshancable.com Website : www.darshancable.com

Certified and Approved by :

