Wiring

Single Core PVC Insulated Copper Conductor (Unsheathed) Flexible Industrial Cables, 1100 Voltage Grade

Basic Code			Nominal Cross Sectiona area of conductor	Number/ Nom. Dia of cond. Strands	Thickness of Insulation (nom)	Approx. overall Diameter	Current Carrying Capacity 2 Cables Single Phase		Max Conductor Resistance per KM at 20°c
							Conduit Trunking	Unenclosed clipped directly to a surface or on cable trays	
FR	FR-LSH	ZHLS	Sq.mm	mm	mm	mm	Amps	Amps	Ohms
WHFFDN...A1 X 50			0.5	16/0.2	0.6	2.1	4	4	39.00
WHFFDN...A1 X 75			0.75	24/0.2	0.6	2.3	7	7	26.00
WHFFDN...A11 X 0	WHFFDN...A11 X 0	WHFFDN...A11 X 0	1.0	14/0.2	0.7	2.7	11	12	18.10
WHFFDN...A11 X 5	WHFFDN...A11 X 5	WHFFDN...A11 X 5	1.5	22/0.3	0.7	3	13	16	12.10
WHFFDN...12 X 5	WHFFDN...12 X 5	WHFFDN...12 X 5	2.5	36/0.3	0.8	3.6	18	22	7.41
WHFFDN...14 X 0	WHFFDN...14 X 0	WHFFDN...14 X 0	4.0	56/0.3	0.8	4.1	24	29	4.95
WHFFDN...16 X 0	WHFFDN...16 X 0	WHFFDN...16 X 0	6.0	84/0.3	0.8	4.6	31	37	3.30

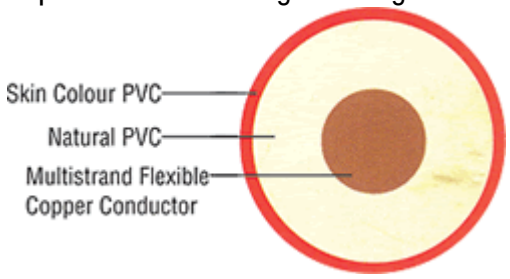
...Fill the Colour code i.e. B=Blue B

Note: 90 metres length in carton packaging & 180 metres project lengths in polywrap packaging.

FR available in 90 metres packing & 180 metres with type a PVC.

** Conductor shall be class-II for 1.0 , 1.5 &2.5 Sqmm & for other size shall be of class v as per IS:8130.

*The Number and diameter of conductor strands are for reference only. Conductor resistance as per IS :8130 is the governing criteria.



Construction

Conductor : Plain annealed copper conductor as per IS:8130

Insulation : Primary-Natural PVC with FR Property Secondary - Skin colour coated PVC with FR Property

Insulation : Unicolour PVC with FRLSH property

Colour : Red/Yellow/Blue/Black/Green.

Any Other colour on specific request can also be supplied.

Single Core PVC Insulated Copper Conductor (Unsheathed) Flexible Industrial Cables, 1100 Voltage Grade

Basic Code	Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. Strands	Thickness of Insulation (nom)	Approx. overall Diameter	Current Carrying Capacity Max Cables	Max Conductor Resistance per KM at 20°c
Life Code	Sq.mm	mm	mm	mm	Amps	Amps
WHFFDN...B1070	70	360/0.5	1.4	13	214	0.272
WHFFDN...B1095	95	475/0.5	1.6	14.9	260	0.206
WHFFDN...B1120	120	608/0.5	1.6	16.4	305	0.161
WHFFDN...B1150	150	750/0.5	1.8	18.3	355	0.129
WHFFDN...B1185	185	925/0.5	2.0	20.1	415	0.106
WHFFDN...B1240	240	1221/0.5	2.2	22.9	500	0.0801

...Fill the Colour code i.e. B=Blue B

Note: Conductor as per class V. Supplied in 100 metres length as per IS:694, in bigger packing on request with 5% length tolerance.

*The number and diameter of conductor strands are for reference only. Conductor resistance as per IS:8130 is the governing criteria.

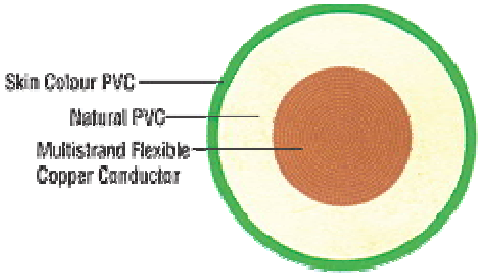
Single Core PVC Insulated Copper Conductor (Unsheathed) Flexible Industrial Cables, 1100 Voltage Grade

Basic Code	Nominal Cross Sectiona area of conductor	Number/ Nom. Dia of cond. Strands	Thickness of Insulation (nom)	Approx. overall Diameter	Current Carrying Capacity 2 Cables Single Phase Unenclosed clipped directly to a surface or on cable trays	Max Conductor Resistance per KM at 20°c
Life Code	Sq.mm	mm	mm	mm	Amps	Amps
WHFFDN...B1010	10	80/0.4	1.0	6.1	46	1.91
WHFFDN...B1016	16	126/0.4	1.0	7	62	1.21
WHFFDN...B1025	25	196/0.4	1.2	8.6	80	0.78
WHFFDN...B1035	35	276/0.4	1.2	9.7	102	0.554
WHFFDN...B1050	50	396/0.4	1.4	11.5	138	0.386

Fill the Colour code i.e. B=Blue B

Note: Conductor as per class V.100. metres packing length as per IS:694, in bigger packing on request. The number and diameter of conductor strands are for reference only. Conductor

resistance as per IS:8130 is the governing criteria.



Construction:-

Conductor : Plain annealed copper conductor as per IS:8130
Insulation : Primary-Natural Type A PVC Secondary- Skin colour coated PVC (25sq. mm & above are provided with uni-colour insulation only)
Colour : Red/Yellow/Blue/Black/Green.
Any Other colour on specific request can also be supplied. Subject to economical run

Single Core PVC Insulated Copper Conductor (Unsheathed) Industrial Cables, 1100 Voltage Grade

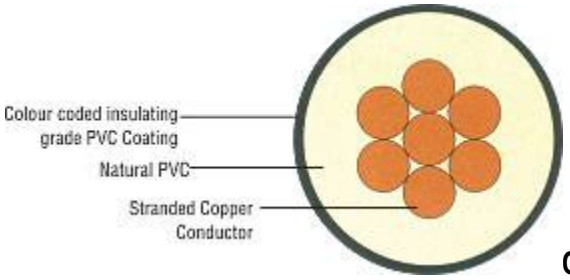
Basic Code	Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. Strands	Thickness of Insulation (nom)	Approx. overall Diameter	Current Carrying Capacity 2 Cables Single Phase Unenclosed clipped directly to a surface or on cable trays	Max Conductor Resistance per KM at 20°c
Life Code	Sq.mm	mm	mm	mm	Amps	Amps
WHFFDN...A11 X 0	1	7/0.43	0.7	2.8	12	18.1
WHFFDN...A11 X 5	1.5	7/0.53	0.7	3.1	16	12.1
WHFFDN...12 X 5	2.5	7/0.67	0.8	3.8	22	7.41
WHFFDN...14 X 0	4	7/0.85	0.8	4.30	29	4.61
WHFFDN...16 X 0	6	7/1.04	0.8	4.90	37	3.08
WHFFDN...B1010	10	7/1.35	1.0	6.30	46	1.83
WHFFDN...B1016	16	7/1.70	1.0	7.40	62	1.15
WHFFDN...B1025	25	7/2.14	1.2	9.10	80	0.727
WHFFDN...B1035	35	7/2.50	1.2	10.30	102	0.524
WHFFDN...B1050	50	19/1.78	1.4	12.20	138	0.387

Fill the Colour code i.e. B=Blue B

Note: 1-6sq.mm in 90 metres and 10-50sq.mm in 100 metres & in bigger packing on request generally as per IS:694 Manufactured against customer's orders only for economical runs. The number and diameter of conductor strands are for reference only. Conductor resistance as per IS:8130 is the governing criteria.

Construction:-

Conductor: Plain annealed copper conductor as per IS:8130
Insulation: Primary-Natural PVC Type A PVC Secondary- Skin colour coated PVC
(25sq. mm & above are provided with unicolour insulation only)
Colour: Red/Yellow/Blue/Black/Green.
Any Other colour on specific request can also be supplied.



Construction:-

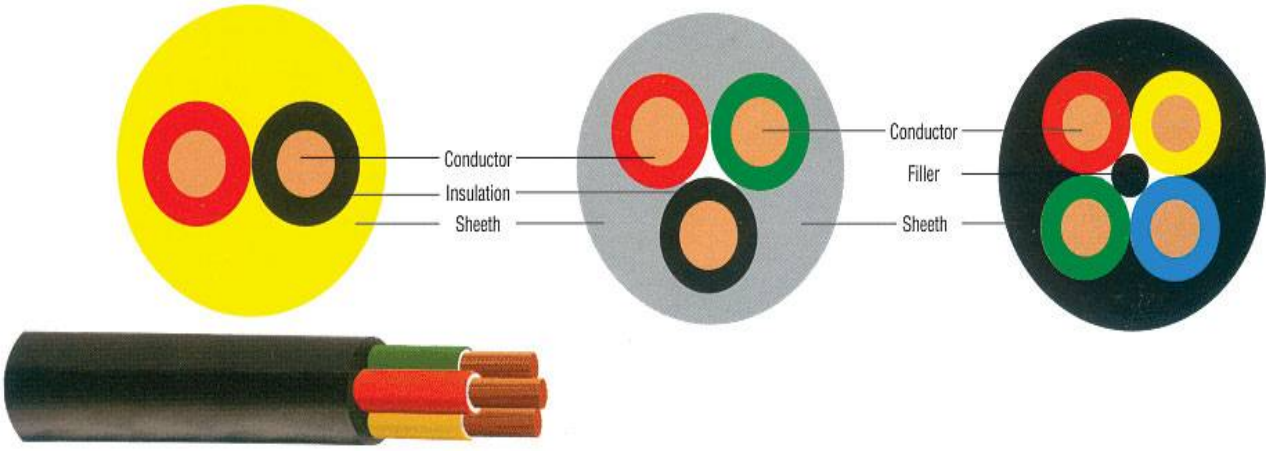
Conductor : Plain annealed copper conductor as per IS:8130
Insulation : Primary-Natural PVC with FR Property Secondary - Skin colour coated PVC with FR Property
Insulation : Unicolour PVC with FRLSH property
Colour : Red/Yellow/Blue/Black/Green.
Any Other colour on specific request can also be supplied.

Mutlicore Round PVC Insulated Copper Conductor and PVC Sheathed Flexible Industrial Cables, 1100 Voltage Grade

Basic Code	Nominal Cross Sectional area of conductor	Number/ Nom. Dia of cond. Strands	Thickness of Insulation (nom)	Nominal Thickness of Sheath			Appx. Overall Diameter			Current Rating AC	Voltage Drop/ Amp/Meter		Max Conductor Resistance per KM at 20°c
				Two Core	Three Core	Four Core	Two Core	Three Core	Four Core		DC or Single Phase Ac	3 Phase Ac	
	Sq.mm	mm	mm	mm	mm	mm	mm	mm	mm	Amps	mV	mV	Ohms
WHMFDSKB_X 50	0.5	16/0.20	0.6	0.9	0.9	0.9	6.2	6.5	7.0	4	83	72	39.0
WHMFDSKB_X 75	0.75	24/0.20	0.6	0.9	0.9	0.9	6.6	6.9	7.5	7	56	48	26.0
WHMFDSKB_1 X 0**	1.0	32/0.20	0.6	0.9	0.9	0.9	6.9	7.3	7.9	11	43	37	19.5
WHMFDSKB_1 X 5**	1.5	30/0.25	0.6	0.9	0.9	0.9	7.4	7.8	8.7	13	31	26	13.3
WHMFDSKB_2 X 5**	2.5	50/0.25	0.7	1.0	1.0	1.0	8.8	9.4	10.2	18	18	16	7.98
WHMFDSKB_4 X 0**	4.0	56/0.30	0.8	1.0	1.0	1.0	10.2	10.9	11.9	24	11	9.6	4.95

Note: available in 100 metres length with black outer sheath & in bigger packing on request.
Any colour on specific request can be supplied, in *The number and diameter of conductor

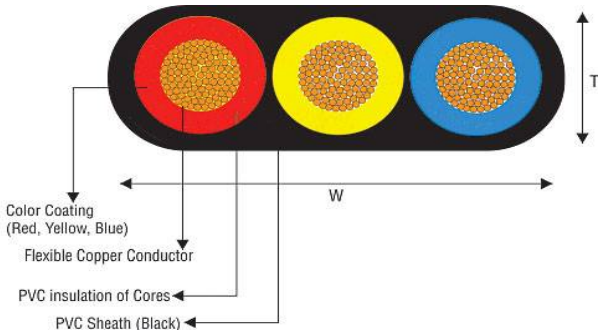
strands are for reference only. Conductor resistance as per IS: 8130 is the governing criteria. **Conductor shall be of class-V as per IS: 8130



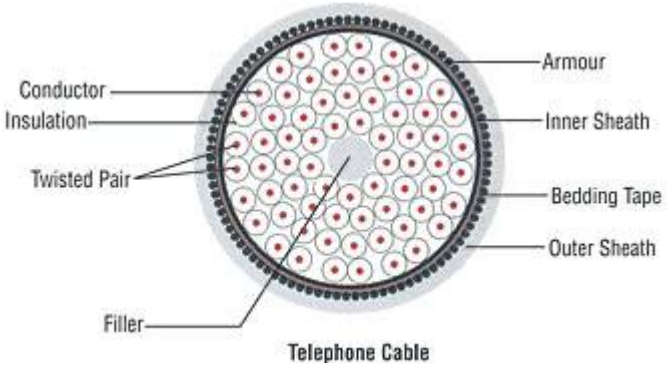
Three Core PVC Insulated Flexible Industrial Cables for Submersible use, 1100 Voltage Grade

Basic Code	Nominal Cross Sectional area of conductor	INSULATION			SHEATH APPROX Overall Dimension		Max Conductor Resistance per KM at 20°c	Current Carrying Capacity at 40°C
		Number/Nom. Dia of cond. Strands	Thickness of Insulation (nom)	Core dia (Nom)	Width	Height		
	Sq.mm	mm	mm		(Nom.)mm	(Nom.)mm	Ohms/Km	Amps
WHPEDSKB31X5**	1.50	30/0.25	0.6	2.8	10.1	4.7	13.3	13
WHPEDSKB32X5**	2.50	50/0.25	0.7	3.5	12.2	5.5	7.98	18
WHPEDSKB34X0	4.00	56/0.30	0.8	4.2	14.6	6.5	4.95	24
WHPEDSKB36X0	6.00	84/0.30	0.8	4.7	16.2	7.0	3.3	31
WHPEDSKB3010	10.00	80/0.40	1.0	6.0	20.2	8.5	1.91	42
WHPEDSKB3016	16.00	126/0.40	1.0	7.0	23.4	9.7	1.21	57
WHPEDSKB3025	25.00	196/0.40	1.2	8.6	28.5	11.7	0.78	72
WHPEDSKB3035	35.00	276/0.40	1.2	9.7	32.1	13.0	0.554	90

Note: available in 100 metres length with black outer sheath & in bigger packing on request. Any colour on specific request can be supplied, in *The number and diameter of conductor strands are for reference only. Conductor resistance as per IS: 8130 is the governing criteria. **Conductor shall be of class-V as per IS: 8130



Telephone Switch Board Cables



Telephone Cable

Application

Cables used for indoor telephones, telephone Exchanges, satellite telecommunication system, industrial plant Communication system, EPBAX system, closed circuit security systems, in-House telephone wiring and various other equipments involving telephones

Standard

Cables are generally made as per TEC Specification No.G /WIR-06/02 or as per customer specification.

Construction

Solid annealed tinned/bare copper conductor, PVC insulated cores suitably colour coded for distinct identification, twisted to form pairs laid up, PVC sheathed. Armoured Cables are provided with Galvanised steel wire / strip armouring and then sheathed again with PVC.

Design /Material Options

Conductor : Tinned copper/ Bare copper
Insulation : PVC/PVC/Polythelence

Shielding : Over all shielded / Individual Pair Shielded and over all shielded and over all shielded with polyester backed aluminium tape or fine copper wire braid (manufactured against customer's orders only for economical runs)
sheathing : FRPVC/FRLSH/POLYTHELENCE
Conductor Size Cable : 0.4/0.5/0.6/0.7/0.8/0.9 mm
Configuration : 1p,2p,3p,4p,5p,10p,20p

Buyers

BSNL,C.DOT, Switching Equipment manufactures, contractors of BSNL and C.DOT, every industrial and commercial establishment, construction industry and many more beside the general dealer market.

Salient Features For Telephone Cable

- Hard grade PVC insulation is used for long life and stable properties of cables Staggered lays of twisted pairs are used to ensure minimum cross talk.
- Sizing and processing of conductor and insulated cores is done in precisely controlled manner on automatic modern machines to have optimum values of capacitance, capacitance unbalance, image and cross talk attenuation and characteristic impendence. Shielding is done to protect from outside/ inter pair interference as per specific needs.