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AN ISO 9001:14001 CERTIFIED CO.

KRAFT
CABLES & MORE

INNOVATION
AT THE SPEED OF LIFE

INNOVATION
AT THE
SPEED OF LIFE

AN ISO 9001:14001 CERTIFIED CO.



Innovation begins where the rules end, this is our simple belief. For the last decade, we've broken every rule that says "products have to be designed like this and not like that". We've brushed aside every hurdle that came in the way of creating an innovative product. And we have never second guessed the consumer. Which is why, we have created products that not only ingrain safety, aesthetics and economy but constantly raise the bar on accepted standards. We've believed in redefining the future instead of waiting for it to happen.

DREAM. CREATE. INSPIRE.



ABOUT US

We create solutions that helps consumer's connect to the future.

More than a decade ago, KRAFT had a spark of an idea - a vision for developing electrical products differently. We believed that to be the superior in serving communities of customers, contributors, and partners is only possible through manufacturing most innovative products.

But that was just the beginning.

Today, Kraft is an **ISO 9001 & 14001 Certified Co.** We used the knowledge & imagination to translate science into products that meet the diverse needs of consumers and produced widest portfolio of **Wires and Cables, Main Switches & Fuse Units, MCB's, Distribution Boards DB's, Lighting Fixtures** and many more products for trusted partner of choice; Delivering reliable, complete solutions that create value for our clients, by sustaining and passionately leveraging the Company's technology and operating experience with highest quality standards.



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FLAME RETARDANT

Product Construction

Does not catch flame | Does not propagate fire | Non-Toxic and Non-Corrosive.

Applications : Wiring in all installations where fire safety is more important. Schools, theaters, commercial complexes, air conditioned apartments, high rise buildings, fire alarms and emergency lighting circuits.

Specifications : IS 694, IEC 60227, IS 8130, & IS 5831, IEC 332-1 & 3 IEE 383.

Conductor : Thin strands of Electrolytic Copper are multi – drawn simultaneously for uniformity of Resistance, Dimension, and Flexibility. The drawn strands are bunched in high precision machines. A circular conductor is thus formed. The conductor is bunched in such a way that it reduces in overall diameter for space savings in high density wiring.

Insulation : Specially formulated grade of Flame Retardant (FR) compound is used. The performance of the cable in a fire situation is exceptionally good. The insulation does not burn readily. It does not melt and drip. The smoke is negligible, transparent, non toxic. The victims trapped in fire do not suffocate and this facilitates fire fighting operations. Unlike general purpose PVC, the smoke emitted is non corrosive. Thus, the electronic printed circuit boards, hard disks and other sensitive electronic equipments are unaffected

Marking : The cables are marked " KRAFT CABLES-FR (Size)1100V IS:694 CM/L NO-8500002806".

Colours : Red, Yellow, Blue, Black, Green.

HOME GARD FR

Multistrand Single Core
Unsheathed Flexible
Industrial Cable



SIZES, CONSTRUCTION AND CURRENT RATING



Conductor Area Sq.mm	Insulation Thickness mm	Number of strands / Nominal Dia. Of Strands	Max Overall Diameter mm	Conductor Resistance ohm / km at 20°C (max)	Current Rating Amps.	
					Casing	Concealed
0.75	0.6	24/0.2 **	2.3	26.0	6	7
1.0	0.7	14/0.3 *	3.2	18.1	14	13
1.5	0.7	22/0.3 *	3.4	12.1	18	16
2.5	0.8	36/0.3 *	4.2	7.41	24	20
4.0	0.8	56/0.3 **	4.8	4.95	32	26
6.0	0.8	84/0.3 **	4.7	3.30	31	37

* As per conductor class 2 of IS:8130/2013. ** As per conductor class 5 of IS:8130/2013.
Confirm to IS 694/2010. IS Licence Number CM/L-8500002806

FRLSH CABLES



Product Construction

Special Heat Resistant & Flame Retardant | Higher Current Rating | Higher Temperature Rating

Application : Suitable for use in conduit and for fixed protected Insulation. Particularly suitable for wiring in fire and explosion prone areas, chemicals factories, densely wired areas, Public buildings, Schools, Hospitals, Commercial complexes, Theaters etc.

Specifications : IS 694, IS 8130, IS 5831, IEC:332-1, IEC:383, IFC-754-1, ASTM 2863, ASTM 2843 etc.

Conductor : Many thin strands of Electrolytic Copper are fine – drawn simultaneously for uniformity of Resistance, Dimension and Flexibility. The Drawn strands are twisted in high precision machines and compacted. This not only imparts circularity to the bunched conductor but also prevents the tendency of the strands to separate and exert internal pressure on the insulation when the cables is bent during installation and usage.

Insulation : Specially formulated high temperature grade of Flame Retardant Low Smoke compound restricts the spread of flames in a fire situation . FRLSH Cables produce very less smoke during burning as compared to general purpose cables. This ensures improved visibility for evacuation of trapped victims and facilitates fire-fighting operations.

Marking : The cables are printed with generic marking 'KRAFT CABELS – FRLSH (size) 1100V IS 694 CM/L NO: 8500002806

Colour : Double strips of Sliver Gray or Bright Orange on base colour Red, Yellow, Blue Black, and Green running along the length of the cable.

EXTRA GARD FRLSH

Flame Retardant Low Smoke & Halogen
Multistrand Single Core Unsheathed
Flexible Industrial Cables



SIZES, CONSTRUCTION AND CURRENT RATING

Conductor Area Sq.mm	Insulation Thickness mm	Number of strands / Nominal Dia . Of Strands	Max Overall Diameter mm	Conductor Resistance ohm / km at 20°C (max)	Current Rating Amps. Casing Concealed	
1.0	0.7	14/0.3	3.2	18.1	14	13
1.5	0.7	22/0.3	3.4	12.1	18	16
2.5	0.8	36/0.3	4.2	7.41	24	20
4.0	0.8	56/0.3	4.8	4.95	32	26

Electrical safety depends on five characteristics

- Smoke
- Hazardous gas generation
- Rate of heat release
- Flame spread
- Rate of burning

In case of fire in a closed space, trapped people are unable to find the exit due to emission of thick black smoke and lose consciousness due to the inhalation of toxic fumes before they can be evacuated to safety.

The advantages of low smoke and low acid gas generation are additional and critical features available with KRAFT FRLS wires in comparison with FR (Flame Retardant) wires which do not provide these properties.

FRLSH Properties

Properties	Test method	Value
Limited Oxygen index	ASTM -D 2863	>29%
Temperature index	ASTM -D 2863	>250°C
Smoke Density (Light absorption)	ASTM -D 2843	<60%
HCL Gas	IEC : 60754	<20%



HRFR CABLES

Product Construction

Higher Current Carrying Capacity | Higher Temperature Rating | Superior Insulation Resistance

Application : Suitable for use in conduit and for fixed, protected installation.

Specifications : Generally conforms to IS 694, BS 6231, IS 8130 & IS 5831.

Conductor : Many thin strands of Electrolytic Copper are multi-drawn simultaneously for uniformity of Resistance, dimension, and Flexibility. The drawn strands are bunched in high precision machines. A circular conductor is thus formed. The conductor bunched in such a way that it reduces in overall diameter for space saving in high density wiring.

Insulation : Specially formulated Heat Resistant, type C, PVC compound is used. A rating of 105°C enables the cable to withstand overloads without compromising safety. "FR" property ensures the flames are not propagated. The insulation is resistant to boiling water, steam and vapors. This prevents ageing and cracking during usage in kitchens, bathrooms, damp walls, chemical industries etc.

Marking : The cables are printed with generic marking "KRAFT CABLES- HR FR (SIZE)1100V IS:694 CM/L NO-8500002806"

Colours : Red Yellow, Blue, Black, Green.

HEAT GARD HRFR

Heat Resistant Flame Retardant
Multistrand Single Core
Unsheathed Flexible
Industrial Cables



SIZES, CONSTRUCTION AND CURRENT RATING

Conductor Area Sq.mm	Insulation Thickness mm	Number of strands / Nominal Dia. Of Strands	Max Overall Diameter mm	Conductor Resistance ohm / km at 20°C (max)	Current Rating Amps.	
					Casing	Concealed
1.0	0.7	14/0.3	3.2	18.1	14	13
1.5	0.7	22/0.3	3.4	12.1	18	16
2.5	0.8	36/0.3	4.2	7.41	24	20
4.0	0.8	56/0.3	4.8	4.95	32	26
6.0	0.8	84/0.3	5.6	3.30	42	35

HEAT GARD HRFR PROPERTIES

TEST

Critical Oxygen Index

Temperature Index

TEST

IS : 10810 Part 58

IS : 10810 Part 64

SPECIFIED VALUE

Oxygen Index, Minimum 29%

Min. Temp Index 250°C at 21% Oxygen

Product Construction

Zero Halogen | Does not catch flame | Does not propagate fire | Non- Toxic and Non-Corrosive.

Application : Wiring in all installations where fire safety is more important. Schools, Theaters, Commercial Complex, Air Conditioned Apartments High Rise Buildings, Fire Alarms and Emergency Lighting Circuits.

Specifications : IS 694, IS 8130 & IS 5831, ASTM-2863, 2843, IEC-754-1&2, IEC-323-1&2, IEE-383, BS-4066-1, BS:7655-5.1, BS:7622 Part-2

Conductor : Thin strands of Electrolytic Copper are multi-drawn simultaneously for uniformity of Resistance, dimension, and Flexibility. The drawn strands are bunched in high precision machines. A circular conductor is thus formed. The conductor is bunched in such a way that it reduces in overall diameter for space saving in high density wiring.

Insulation : Specially formulated grade of Halogen free Flame Retardant (ZHFR) Compound is used. The performance of the cable in a fire situation is exceptionally good. The insulation does not burn readily. It does not melt and drip. The smoke is negligible, transparent, non toxic. The victims trapped in fire do not suffocate and this facilitates fire fighting operations. Unlike PVC, the smoke emitted is non- corrosive. Thus, the electronic printed circuit boards, hard disks and other sensitive electronic equipments are unaffected.

Marking : The cables are marked "KRAFT CABLES-ZHFR (Size) 1100V

Colours : Red, Yellow, Blue, Green, Black.

GREEN LIVING ZHFR

Zero Halogen Flame Retardant
Multistrand Single Core
Unsheathed Flexible
Industrial Cables



SIZES, CONSTRUCTION AND CURRENT RATING

Conductor Area Sq.mm	Insulation Thickness mm	Number of strands / Nominal Dia. of Strands	Max Overall Diameter mm	Conductor Resistance ohm / km at 20°C (max)	Current Rating Amps.	
					Casing	Concealed
1.0	0.7	14/0.3	3.2	18.1	14	13
1.5	0.7	22/0.3	3.4	12.1	18	16
2.5	0.8	36/0.3	4.2	7.41	24	20
4.0	0.8	56/0.3	4.8	4.95	32	26

ADDITIONAL ZHFR PROPERTIES

PROPERTIES	TEST METHOD	SPECIFIED VALUES
Limited Oxygen Index	ASTM-D-2863	35%
Limited Temp. Index	ASTM-D-2863	>300°C
Smoke Density (Light Absorption)	ASTM-D-2843	<10%
Acid Gas Generation	IEC - 60754 - 1	<0.5%

A brief comparison of PVC Cables and ZHFR Cables is given below

PROPERTIES	PVC	FRLS	ZHFR
Halogen Gas (mg/g)	>200	150	<0.5
Corrosive Gas (ph)	1 - 2	2 - 3	6 - 0
Smoke Density (Rating)	>70	50	<20
Usage Temperature (°C)	70	85	90
Low Temperature (°C)	-20	-40	-50
Dioxin	Yes	Yes	No
Toxic Halogen Gas	Yes	Yes	No
Lead	Yes	Yes	No



SUBMERSIBLE PVC CABLES

Product Construction

STANDARDS	: IS:694, IS: 5831 : 1984, IS: 8130 : 2013, IEC - 60228, 60227, BS - 6500.
RANGE	: 1.5 Sq.mm to 16.0 Sq.mm
CONDUCTORS	: The wires are drawn annealed and bunched together properly to ensure flexibility and uniform resistance.
INSULATION	: The bunched conductors are insulated with the specially formulated high grade PVC compound (Type A) which gives very high insulation resistance value. The insulated core red, yellow and blue are laid up in the flat parallel position.
OUTER SHEATH	: The outer sheathing is provided with the specially formulated PVC weather proof compound (Type ST-1) which high resistance to soil & chemical. These cables are supplied with the sequential meter making along with other related details.
KEY APPLICATIONS	: These flat submersible cables used to connect the underwater submersible pump set wet supply line, agriculture, irrigation, domestic installation, outer application and power supply.
LENGTH AND PACKING	: Supplied in 100 mtrs., 300 mtrs. upto 500 mtrs. (± 5%) paking on jute bags & non returnable wooden drums on request and longer length available on request.
MARKING	: The Cables are printed with generic marking "KRAFT 3 CORE FLAT CABLES" OUSZ (Size: 1100 V IS:694 CM/L No: 8500002806
SAFETY REQUIREMENTS	: * Coiled submersible cable must always to be spread out before using to avoid overheating in use. * Ensure proper joining of the cable in order to avoid failure and short circuits. * Proper care should be taken while inserting the cable in the bore well to avoid slicing of the sheathing. * Kindly ensure proper storage of the cables in the order to avoid physical damage. * Cables with damaged insulation must be replaced immediately.

3 CORE FLAT PVC INDUSTRIAL CABLES

For Submersible Pump Motors



Selection guide for 3 core flat cables

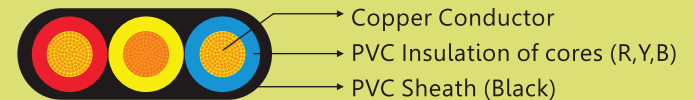
1. HP Vs Current: the full load current for submersible pump motors, 3 phase, 50 cycles, 415-425v.

HP	5.0	7.5	10.0	12.5	15.0	17.5	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0
AMP	7.5	11.0	14.9	18.9	22.5	25.2	28.4	35.6	42.3	50.4	58.1	62.1	67.5	73.8	81.0	87.3	93.6	100.80	108.0

2. Operating factors: Multiply the current carrying capacity of the cable by factors given below for various ambient temperature

Ambient Temperature C	30	35	40	45	50
Operating Factor	1.09	1.04	1.00	0.95	0.77

3. Core Flat Cables as per IS 694: 2010 with ISI mark



SIZES, CONSTRUCTION AND CURRENT RATING

Conductor		Insulation	Sheath	Overall Dimensions (approx)		Conductor Resistance 20°C (max) ohm / km	Current Carrying Capacity
No. of Cores/ Area sq.mm	No. of Cores/ Area sq.mm	Thickness (Nom) mm	Thickness (Nom) mm	Width 'W' mm	Thickness 'H' mm		
3 x 1.5	22/0.3	0.6	0.9	10.3	5.4	12.16	14
3 x 2.5	36/0.3	0.7	1.0	12.6	6.20	7.41	18
3 x 4.0	56/0.3	0.8	1.0	14.8	6.50	4.95	26

SIZES, CONSTRUCTION AND CURRENT RATING

Conductor		Insulation	Sheath	Overall Dimensions (approx)		Conductor Resistance 20°C (max) ohm / km	Cur. Carrying Capacity @ 40°C (Amp)
No. of Cores/ Area sq.mm	No. of Cores/ Area sq.mm	Thickness (Nom) mm	Thickness (Nom) mm	Width 'W' mm	Thickness 'H' mm		
3 x 6.0	84/0.3	1.0	1.15	17.30	7.60	3.30	31
3 x 10.0	140/0.3	1.0	1.40	23.70	9.90	1.91	42
3 x 16.0	226/0.3	1.0	1.40	28.00	11.40	1.21	57

ROUND MULTICORE CABLES

Product Construction

Features:

Manufactured from bright annealed 99.97% pure bare copper conductors these cables offer low conductor resistance. These wires are insulated with in house manufactured specially formulated PVC Compound. The tough robust outer PVC jacket protects it from the oils, greases, various chemicals and abrasions giving long life and electrical safety.

Applications:

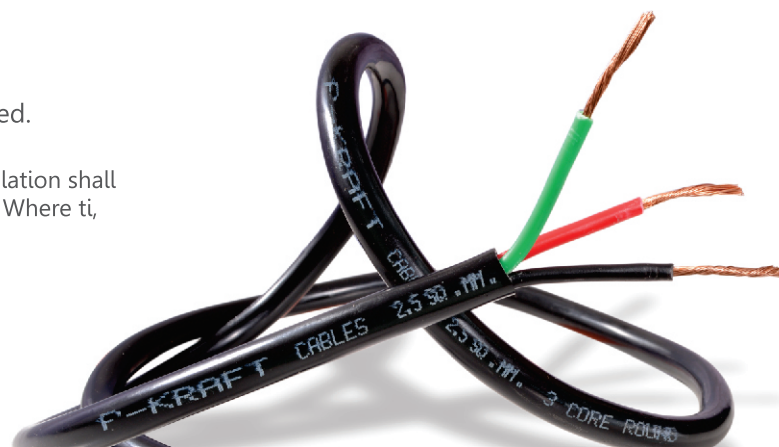
Multicore Cables are very versatile and can be used in control panel for heavy industries, Heavy Machineries, Air-Conditioners, Motors etc.

Conductor : Electrolytic Grade Copper Conductor as per IS : 8130- 2013 Flexibility Class 2 and 5.

Insulation : PVC Type A of IS:5831 for 70°C
PVC Type C of IS:5831 for 85°C

Thickness of Insulation : Nominal thickness as per relevant specification is tabulated.

Tolerance on Thickness of Insulation : The smallest of the measured values of thickness of insulation shall not fall Below the nominal value specified in the relevant tables by more that $(0.1\text{mm} + 0.1t_i)$ Where t_i = Nominal Thickness of Insulation in mm.



SINGLE & MULTICORE

Round Flexible Industrial Cables

Colour of Insulation

Two Core Cable Red & Black	Three Core Cable Red, Black & Green	Four core cable Red, Yellow, Blue & Green	Five Core cable Red, Yellow, Blue, Black & grey	Six core and above Two adjacent Cores in + Blue & Yellow
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- Laying – up
The cores are laid up with a suitable right hand lay.
- Outer Sheath
PVC Type ST -1 of IS : 5831-1984 for maximum conductor temperature 80°C
- Application
The laid up cores is provided with outer sheath applied by Extrusion.
- Thickness of Outer Sheath
The average thickness of outer sheath of Unarmoured cables is not be less than the nominal value specified.
- Colour of Outer Sheath
The smallest of the measured values is not be less than $(0.1 + 0.15 t_s)$. (t_s is nominal thickness of sheath) Colour of outer sheath is be black. Colour other than black is available as agreed to between the purchaser and the supplier.

SINGLE CORE / MULTI CORE FLEXIBLE cables as per IS - 694/2010 Voltage grade upto 1100 Volts.

Single Core Sheathed 1 Core	Sheath Thickness (Nom).mm Overall Diameter (Approx.) mm	0.9 4.00	0.9 4.25	0.9 4.50	0.9 4.00	0.9 5.45	0.9 6.30	Multicore Flexible Cables above 4 Sq.mm Are not covered by IS : 694					
2 Core	Sheath Thickness (Nom).mm Overall Diameter (Approx.) mm	0.9 6.10	0.9 6.50	0.9 7.00	0.9 7.60	1.0 9.10	1.0 10.50						
3 Core	Sheath Thickness (Nom).mm Overall Diameter (Approx.) mm	0.9 6.50	0.9 7.10	0.9 7.50	0.9 8.10	1.0 9.60	1.0 11.40	1.3 13.40	1.40 18.00	1.40 21.00	1.50 25.50	1.60 29.00	2.0 33.00
4 Core	Sheath Thickness (Nom).mm Overall Diameter (Approx.) mm	0.9 7.20	0.9 7.60	0.9 8.10	0.9 9.20	1.0 10.60	1.0 12.50	1.3 15.70	1.40 18.80	1.40 23.00	1.50 28.50	1.60 33.0	2.0 35.00
5 Core	Sheath Thickness (Nom).mm Overall Diameter (Approx.) mm	0.9 7.60	0.9 8.30	1.0 9.10	1.0 10.10	1.0 11.90	1.1 14.0						



Product Construction

Longer Flexible Life | Pure Electrolytic Copper | 100% Twisting

- Application** : These cables are used for wiring commercial and domestic buildings. They are also used for industrial electrification.
- Specifications** : Generally conforms to, IEC 60332-1 & 3, IEEE 383, IEC 60754-1 & 2, IS-694, IS-5831 & IS-8130
- Conductor** : Manufactured from bright annealed pure bare copper conductors that offer low conductor resistance, they result in lower heating thereby increase in life and saving in power consumption.
- Insulation** : These wire are insulated with a special grade PVC compound. These wire confirm to IS and all other International standards
- Marking** : The cables are marked "KRAFT CABLES-VIR (Size) 1100V IS:694 CM/L NO-8500002806"
- Colours** : Red ,Yellow, Blue, Green, Black.

VIR CABLES

PVC INSULATED UNSHEATED

Solid Stranded Copper Wire



SIZES, CONSTRUCTION AND CURRENT RATING

Nominal Cross Section Area of Conductor (mm)	Size in SWG	Number of Strands & Size of Wire in Inches	Nominal Overall Dia (mm)	Current Rating (Amp)
1.0 Sq. mm	1/18	1/.044	3.30	5
1.5 Sq. mm	3/22	3/.032	3.50	10
2.5 Sq. mm (Light)	3/20	3/.041	4.85	16
2.5 Sq. mm (Heavy)	3/20	3/.041	3.90	15
4.0 Sq. mm (Light)	7/22	7/.034	4.80	20
4.0 Sq. mm (Heavy)	7/20	7/.034	6.10	29
6.0 Sq. mm (7/18)	7/20	7/.041	5.20	28
10.0 Sq. mm	7/18	7/.053	6.50	36
16.0 Sq. mm (7/16)	7/16	7/.067	8.70	53
25.0 Sq. mm	19/18	19/.051	10.40	62
35.0 Sq. mm	19/16	19/.060	12.70	97
50.0 Sq. mm	19/14	19/.070	16.50	140
70.0 Sq. mm	37/16	37/.061	17.30	158
95.0 Sq. mm	37/14	37/.071	22.50	218



CO-AXIAL CABLES

Product Construction

High quality Co-axial Cable for TV network | High Band Width | Notch free attenuation values Over wide band of frequencies

Kraft Co axial cables are used for transmission of audio and video signals in cable TV network. The cable offer higher bandwidth for your customer to receive the maximum number of channels with a high level of picture and sound quality. The center conductor is made of electrolytic grade copper and ensure better signal transmission. It is insulated with nitrogen gas injected foam polyethylene which is superior and more environment-friendly than chemical foam.

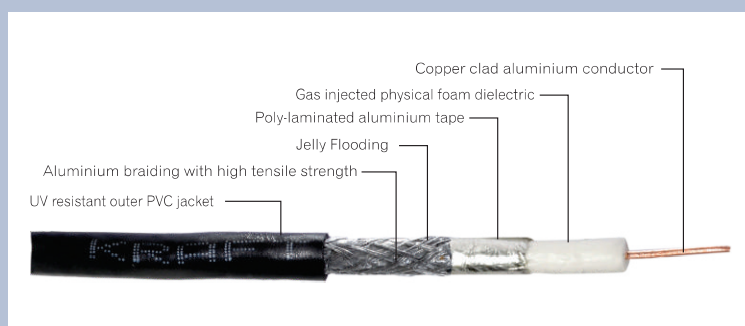
- Conductor** : The central conductor is made of 99.97% pure solid electrolytic grade conductor, which has distinct advantages over traditional copper conductor.
- Insulation** : The insulation provided over the conductor is of foam PE which acts as a dielectric.
- Screen** : Aluminum Mylar tape is provided over the insulated conductor to shield the conductor and ensure disturbance free transmission of signals.
- Braiding** : The braiding provided is > 60% coverage of ATC (Annealed tinned copper) / Aluminum Braiding



TV DISH ANTENA

CO-AXIAL CABLES

Gas Injected Physical Foam
Jelly Flooded Industrial Cables



Attenuation db/100 mtrs. (20°C) @MHz	RG 59F	RG 6F	RG 11F
211	12.47	9.50	6.23
250	13.45	10.50	6.72
300	14.60	11.50	7.38
350	15.75	12.45	7.94
400	16.73	13.30	8.53
450	17.72	14.35	9.02

Specification / Construction

Components	RG-59 Stranded Shield		RG-6 Stranded Shield		RG-11 Stranded Shield	
	Inches	MM	Inches	MM	Inches	MM
Nominal Center Cond. Diameter	0.032	0.81	0.040	1.02	0.064	1.63
Nominal Diameter Over Dielectric	0.144	3.66	0.180	4.57	0.280	7.11
Nominal Diameter Over First Shield (Tape)	0.151	3.84	0.187	4.75	0.287	7.29
Nominal Diameter Over Jacket	0.240	6.20	0.272	7.00	0.395	10.00
Nominal Jacket Wall Thickness	0.032	0.81	0.030	0.76	0.042	1.07
Nominal Diameter of Steel Messenger	0.051 (S)	1.30	0.051 (S)	1.30	0.072 (S)	1.83
	0.072 (D)	1.83	0.072 (D)	1.83	0.109 (D)	2.77
Mechanical Characteristics						
Minimum Breaking	0.051		0.051		0.072	
Strength of Messenger	0.072		0.072		0.109	
Electrical Characteristics						
Nominal Impedance	75 ohms		75 ohms		75 ohms	
Nominal Velocity of Propagation	85%		85%		85%	
Shielding Effectiveness	>100dB		>100dB		>100dB	

TELE-COMMUNICATION CABLES

Product Construction

Low Attenuation | No Cross Talk | Flame Retardant Jacket | True Sound

- Application** : Recommended for switchboard and internal telephone wiring in high rise buildings, offices, factories, hotels, residential complexes transmission of analog and digital signals, internal wiring in faxes, modems, computers, alarm enunciators, data recording /acquisition systems and various communication devices.
- Specifications** : Cables are generally made as per TEC specification no. GR/WIR-0603. Mar, 2002, BSNL (DOT) ITD (113C) Specification or as per customer requirements.
- Conductor** : The central conductor is made of 99.97% pure solid electrolytic grade copper.
- Insulation** : Premium quality grade polyethylene used for insulation with several online testing.
- Twisted pairs** : The cores are carefully twisted with suitable lays and laid up together to form cable. Special attention given to this stage for minimising cross talk (Next & Fext)
- RipCord** : A nylon rip cord is provided in order to safely peel off the jacket without damaging the cores.
- Sheath** : The laid up pairs are jacketed with special Flame Retardant (FR) compound to resist flame.



TELEPHONE & SWITCH BOARD INDUSTRIAL CABLES

Conductor Parameters	Pairs
Conductor (solid annealed bare copper)	0.4mm diameter (nom.) & 0.5mm diameter (nom)
Insulation Material (0.4 & 0.5 mm dia)	High density polyethylene (HDPE)
Insulation Thickness (Average) 0.4 mm dia, 0.5mm dia	0.17mm, 0.20mm
Diameter of insulated Conductor 0.4mm dia, 0.5mm dia	0.74mm, 0.92mm
Rip cord	Nylon
Color Combination	For 0.4mm dia & 0.5mm dia

No. of Pairs	1 Pair	2 Pair	3 Pair	4 Pair	5 Pair	6 Pair	7 Pair	8 Pair	9 Pair
1 Pair	White Blue								
2 Pair	White Blue	White Orange							
3 Pair	White Blue	White Orange	White Green						
4 Pair	White Blue	White Orange	White Green	White Brown					
5 Pair	White Blue	White Orange	White Green	White Brown	White Gray				
10 Pair	White Blue	White Orange	White Green	White Brown	White Gray	Red Blue	Red Orange	Red Green	Red Brown

CONSTRUCTION

Conductor		Insulation		Rip Cord		Sheath		
Material	Nominal Diameter (mm)	Material	Nominal Thickness (mm)	Nominal Dia of Insulated Conductor (mm)	Material	Material	Nominal Thickness (mm)	
Bright annealed pure electrolytic bare solid copper	0.50	PVC	0.20	0.92	Nylon	FR PVC with high oxygen & temp. index	1 Pair	0.50
							2-8 Pair	0.65
							10 Pair	0.75
Bright annealed pure electrolytic bare solid copper	0.40	PVC	0.20	0.82	Nylon	FR PVC with high oxygen & temp. index	1 Pair	0.50
							2-8 Pair	0.65
							10 Pair	0.75



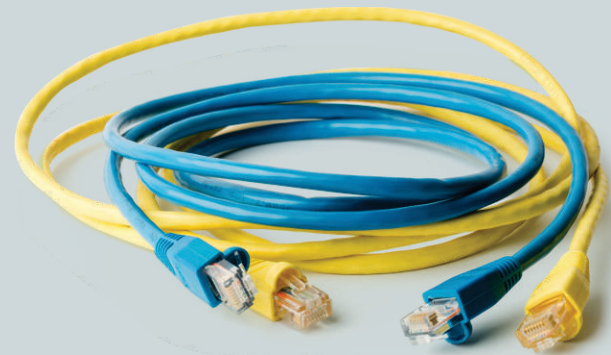
LAN CABLES

Product Construction

KRAFT LAN Cables are high performance cables best suited to your specific Applications. Transmission performance of + These Cables are verified for its category 5E requirements of TIA/EIA 568-B 2.1

- Uses** : KRAFT Lan cables are suitable for use in modern computer network system, voice, video and data Transfer and for all lan topologies.
- Conductor** : Solid annealed bare copper (electrolytic grade) Nominal conductor diameter 0.5mm.
- Insulation** : High speed high density polyethylene(HDPE).
- Insulation Colour:** Pair-1white-blue, pair -2White-Orange, pair -3White- Green, pair-4White-Brown
- Pair** : Two insulated conductor twisted together with suitable lay to form a pair.
- Outer jacket** : Flame retardant (high oxygen and temperature index) PVC jacket with colour Grey.
A nylon rip cord provided bellow jacket for easy stripping of jacket without damaging cable core.

COMPUTER AND LAN NETWORKING CABLES



SPECIFICATION / CONSTRUCTION

Conductor	Insulation	No. of Pairs	Colour Combination	Rip Cord	Sheath Colour	Nominal Over All Diameter
24 AWG (0.5 mm) bare solid copper	HDPE FRPE	4 UTP (Unshielded Twisted Pair)	Pair 1. Blue-White or Blue 2. Orange - White or Orange 3. Green - White or Green 4. Brown - White or Brown	Nylon Cord under sheath	FR PVC Grey Colour (other colours available on request)	5.2 ± 0.2 mm

SPECIFICATION / CONSTRUCTION

Frequency MHz	Attenuation db/100 mts (max)	Next Min (db)	ACR Min (db)	PC Next Min (db)	PC ACR Min (db)	ELFEXT Min (db)/100m)	PSFEXT Min (db)/100m)	PL Min (db)
1.00	2.0	65.3	52.2	62.3	60.3	63.8	60.8	20.0
4.00	4.0	56.3	46.2	53.3	49.2	51.7	48.7	23.0
8.00	5.8	51.8	46.0	48.8	43.0	45.7	42.7	24.5
10.00	6.5	50.3	43.8	47.3	40.8	43.8	40.8	25.0
16.00	8.2	47.3	39.1	44.3	36.1	39.7	36.7	25.0
20.00	9.3	45.8	36.5	42.8	33.5	37.8	34.8	25.0
25.00	10.4	44.3	33.9	41.3	30.9	35.8	32.8	24.3
31.25	11.7	42.9	31.2	33.9	38.2	33.9	30.9	23.6
62.50	17.0	38.4	21.4	35.4	18.4	27.8	24.8	21.5
1000.00	22.0	35.3	13.3	32.3	10.3	23.8	20.8	20.1

Product Construction

The Closed Circuit TV/ Video Surveillance business is the fastest growing part of our portfolio of products. Through the convergence of security and I. P. camera systems and card access are now under direction of the corporate IT Department . There is a tremendous demand currently in the video recording world. Digital video Recording has taken place of old analog tape systems. End users now can designate space on their network and store footage digitally. This technology upgrade is comparable to how compact disks have led to the demise of cassette Players. Remote access is now a standard offering, which requires the assignment of an IP address to your Network .

Digital Video Recording:

- Eliminates The Time And Effort Designated For Changing Tapes
- Allows Quick Playback With Enhanced Viewing Clarity
- Enables Easy Remote Access From Multiple Designed
- Offers Simplified On Your Network



CCTV CABLES

CLOSED CIRCUIT TELEVISION CABLES

CONSTRUCTION	MATERIAL	KRAFT CABLE	KRAFT CABLE
Cable Size Power Cable		CCTV Cable 3 + 1 3C x 0.15 Sq.mm	CCTV Cable 4 + 1 4C x 0.15 Sq.mm
CONDUCTOR No. of Strands Strand Dia	ATC NOS mm	ATC 14 0.124	ATC 14 0.124
INSULATION Thickness (Nominal) Color Co-Axial Cable	PVC mm	PVC 0.56 R, BE, Y	PVC 0.56 R, BE, RR, Y
CONDUCTOR Conductors Dia (Nominal) / No. of Wire	MM/NOS	ATC	ATC
INSULATION Thickness (Nominal)	PVC mm	PVC 1.34	PVC 1.34
AL-FOIL Thickness (Nominal) Width (Nominal) / Overlap	mm mm%	AL-Foil 0.052 15/100%	AL-Foil 0.052 15/100%
BRAIDING Wire Dia (Nominal) Braiding Coverage	ATC MM %	ATC 0.12 80	ATC 0.12 80
OVERALL OUTER SHEATH Colour Thickness	PVC White mm	PVC White 0.70	PVC White 0.70



AN ISO 9001:14001 CERTIFIED CO.

AKRAFT
CABLES & MORE



FR
HOME GARD



SUBMERSIBLE
3 CORE FLAT CABLE



CO-AXIAL
TV DISH ANTENNA CABLES



VIR CABLES
SOLID STRANDED
COPPER WIRE



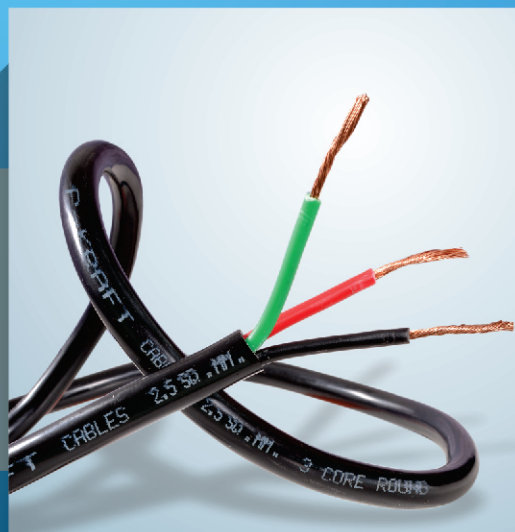
AN ISO 9001:14001 CERTIFIED CO.

AkRAFT
CABLES & MORE

TELEPHONE SWITCH BOARD CABLE



MULTICORE ROUND FLEXIBLE CABLE



FRLSH EXTRA GARD



CCTV CABLES

Certification & Approvals

As a leading electrical products manufacturer in India, we are dedicated to making your home & office safer. We constantly challenge ourselves to innovate and improve our products. At KRAFT, we understand that our products are an integral & important component of the daily life. Our products are designed to maximize the safety of electricity flow. Designed with the end user in mind, our products are easy and comfortable to use. We partner with our customers to innovate & design solutions that meet their needs and firmly believe that these aspects enable us to deliver timely and superior quality services to all our valued clients

Our products are focused on enhancing and ensuring safety, we follow the strictest safety and quality standards. We have instituted the most advanced quality practices, and aim to become the benchmark in our industry segment. Our relentless pursuit of quality has been recognized by most demanding institutes, in the form of the certification and approvals we have received over the years.

INTERNATIONALLY APPROVED



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
महानगर विभाग - 2 Delhi Branch Office - EEE

पता: मन्मथ भवन, 9 बहादुर गढ़ जंक्शन रोड, नई दिल्ली 110 002, भारत
Address: Manmoh Bhawan, 9 Bahadur Shah Zafar Rd, New Delhi-110002
Phone: 011-23210131, 23233375
फैक्स: 011-23212922
ईमेल: ind2@bis.org.in
वेब: http://www.bis.org.in

संलग्नक संख्या जी एमएल - 8500002806 की संख्या
ATTACHMENT TO LICENCE NO. CML - 8500002806

जी एमएल संख्या, CML/NO	संलग्नकारी का पता अर्थात् नाम, NAME OF THE LICENSEE WITH THE ADDRESS	उत्पाद का नाम, NAME OF THE PRODUCT	अनुमति संख्या, IS NO.
8500002806	Sankeshwara Industries No. 5, G. T. Road, Dilshad Garden Industrial Area, Delhi-110095	PVC Insulated cables for working voltages upto and including 450/750 V / 2-core	IS 694 : 2010

पूराकरण संख्या 1 दिनांक: _____ Date: _____
ENDORSEMENT NO. DATED 14/09/2015

The following additional (size/type/grades etc.) have been included in Column (2) of the first schedule and column (1) of the Second Schedule of the Licence alongwith the Standard Mark in Column (1) of First Schedule with effect from 14/09/2015.

See Annexure.....

FORM NO. NTH/CH/PS
349002

भारत सरकार Government of India
राष्ट्रीय परीक्षण शाला (व. सं.)
NATIONAL TEST HOUSE (SR)
नववर्ग, चण्डी - 600 113, Taramani, Chennai - 600 113
Phone: 22432374, 22431157 Fax: 22431358 email: nthar@nisc.in

ANNEXURE

Test Certificate No.	Date of Issue	Code No.	Page	No. of Pages
NTHSRVIL/CU/2015/00331	27.07.2015	1430259348029	01	04

1. Description of the sample

a. Nomenclature: PVC Insulated Single-core Non-Sheathed cable with Copper Conductor - Class 2 Cable code Y, Cat. C1 for general purpose fixed installation

b. Size: 1.5 mm² (22/0.3mm)

c. Quantity: 1 Number of cut length coil of approximately 20 meter

d. Packing: Wrapped in a plastic sheet

f. Markings

i. Markings found on the label attached with the sample: Brand - Kraft, PVC Insulated Cable as per IS 694-2010 Size - 1.5 mm² (22/0.3mm) Copper - Type A PVC Insulated Cable Code - Y Mfg M/S Sankeshwara Industries, No. 5, G.T. Road, Dilshad Garden Industrial Area, Delhi - 110 095 India

ii. The following markings were found printed on the cable at regular interval: KRAFT CABLES PVC INSULATED INDUSTRIAL CABLES 1.5 SQ.MM (IS) IS 694

As requested the sample was subjected to the Type tests as per IS 694-2010 and the results noted below:

2. General requirements (Section 1 of the IS 694-2010 specification)	Specified	Observed
a. Conductor (Cl. 4.1)	Bare annealed high conductivity copper of Class 2	Bare annealed high conductivity copper of class 2
b. Insulation (Cl. 5.1)	Type A for Fixed installation	Type A for Fixed installation
Application to the Conductor (Cl. 5.2)	Insulation shall be applied by extrusion by PVC compound if it shall fit closely to the conductor and it shall be possible to remove the insulation without damage to the conductor	Insulation applied over the conductor by extrusion and found fit closely to the conductor. It is possible to remove it without damage to the conductor
c. Core identification (Cl. 12)	Red, Black, Yellow, Blue, White, grey	Red

Tested by: A.M. Muruman Scientist SO(Electrical)

Checked by: P. Rajamkaran Scientist SO(Electrical)

Approved by: S.B. Nand Kumar Scientist SC(Electrical)

Certificate of Registration
Certificate No: 141128019153
This is to Certify that the Management System of the
SANKESHWARA INDUSTRIES
No.5, G.T. Road, Dilshad Garden Industrial Area,
Delhi-110095, India
Has been assessed and found to be in accordance with the requirements of
standard detailed below
ISO 9001:2008
This Certificate is valid for the following scope
"Manufacturing & Supply of Wires & Cables, Switchgear & Fuse Units, MCB, Lighting & Fixtures, Distribution Board"
Initial Registration Date: 28th Nov. 2014
Issue Date: 28th Nov. 2014
Valid Until: 27th Nov. 2015
To check validity of the certificate please visit www.isoindia.org or call at given numbers
Ph: +91-522-2759881, email: info@isoindia.org, www.isoindia.org
Managing Director
TNV Certification Pvt Ltd.
Accredited by Dubai
Accreditation Center (DAC)
HO: 537-B/187-B, Amber Vihar, Near Central Bank of India, Keshav Nagar, Stapur Road, Lucknow-226020 (UP) India
Ph: +91-522-2759881, email: info@isoindia.org, www.isoindia.org
*Validity of the certificate is subject to successful completion of surveillance audits. Further certification requires regularity of surveillance audits. In order to maintain the certification, the certificate holders are required to undergo surveillance audits. The certificate holders are required to undergo surveillance audits. The certificate holders are required to undergo surveillance audits.

CIMEC TECHNOLOGIES PRIVATE LIMITED
NABL Accredited Lab (Cert. No. T2237 & T2238)
AN ISO 9001 : 2008 Certified Company
CIN: U28100DL2011PTC024462
T-2237-1-2238
TEST REPORT AS PER IS-694-2010
(With Amendment No. 1)
Page 1 of 5
Report No.: CT/155530305
Issued to: M/S Sankeshwara Industries
Date of Report: 13.06.2015
Date of Receipt: 13.05.2015
Date of Completion: 11.06.2015

PARTICULARS OF THE SAMPLE SUBMITTED:

Nature of the sample: PVC Insulated Cable for working voltage 450/750 volts
Grade/Variety/Type/Class: 3C/2.5 sq mm (30/30 mm), Stranded copper conductor (Class-2),
Size etc.: PVC Insulated (Type-A) & PVC Sheathed (Type-ST-1) Cable with FRUSH Properties (C-2),
Quantity: Cable Code YH052, Brand-KRAFT
25 meter and 5.5 meter Plan size (0.30 mm) for Annealing Test

TEST RESULTS	TESTS (Cl. Ref.)	SPECIFIED REQUIREMENTS	RESULTS
1. Conductor (Cl.4.1)	a) Material (Cl. 4.1)	Annealed, bare or tinned high conductivity copper wire/ Aluminum wire complying with IS 8130.	Copper wire (Refer results below)
	b) Class of conductor (Cl. 4.2)	Class 1/ Class 2/ Class 5	Class 2
	c) Type for Fixed Installation (Cl. 4.2)	Circular Solid/ Circular Stranded/ Compacted Circular/ Shaped Stranded	Circular Stranded
2. Insulation (Cl.5)	a) Material (Cl. 5.1)	PVC Compound conforming to the requirements IS 5853.	PVC Insulation (Refer Results below)
	b) Type (Cl.5.2)	Type A for Fixed Installation Type C for Heat Resistant Cable (HRC) Type D for Flexible Cords	Type-A
	c) Application to the conductor (Cl. 5.2)	The insulation shall fit closely on the conductor and it shall be possible to remove it without damage to itself, to conductor or to tin coating.	Satisfactory
	d) Thickness, mm (mean Value) (Cl. 5.3)	Nominal thickness (B)	Core Nom. Min. Red 0.75 0.61 Yellow 0.73 0.63 Blue 0.76 0.64
		Smallest measured value (0.1+0.11)	0.53 Min.
3. Fillers (Cl.6)	a) Material (Cl. 6.1)	Un-vulcanized rubber or Plastic/ Natural or synthetic textile/ Paper /PVC	PVC
	b) Application (Cl.6.2)	The filler shall fill the space between the cores going assembly a circular shape. The filler shall not adhere to the cores.	Satisfactory
4. Binder Tape (Cl.7)		Plastic or proofed textile material.	Satisfactory N.A.

For SANKESHWARA INDUSTRIES
Prop.
Authorized Signatory
Regd. Off. & Lab. 23 / H Main Estate, No. Gita Railway Crossing, Gita, Ahmedabad 382 461, Gujarat
M + 91 98250 28887 F + 91 79 6410 2053 E: info@imectechnologies.co.in



Certificate of Registration

Certificate No: 141128029102

This is to Certify that the Environment Management System of the

SANKESHWARA INDUSTRIES

No.5, G.T. Road, Dilshad Garden Industrial Area, Delhi-110095, India

Has been assessed and found to be in accordance with the requirements of

Standard detailed below

ISO 14001:2004

This Certificate is valid for the following scope

"Manufacturing & Supply of Wires & Cables, Switchgear & Fuse Units, MCB, Lighting & Fixtures, Distribution Board"

Initial Registration Date: 28th Nov. 2014 Issue Date: 28th Nov. 2014
1st Surveillance on or before: 28th Oct. 2015 Valid Until: 27th Nov. 2017
2nd Surveillance on or before: 28th Oct. 2016

To check validity of the certificate please visit www.isoindia.org or call at given numbers



Managing Director
TNV Certification Pvt Ltd.

Accredited by Joint Accreditation System of Australia and New Zealand

HO: 537-B/167-B, Amber Vihar, Near Central Bank of India, Keshav Nagar, Sissaur Road, Lucknow-226020 (UP) India

Ph: +91-522-2756327-328, Fax: +91-522-2759881, email: info@isoindia.org, www.isoindia.org

*Validity of this certificate is subject to successful completion of surveillance audits. Further conditions regarding the scope of this certificate and the applicability of standards may be obtained by consulting the registration.

This certificate remains property of TNV Certification Pvt. Ltd. and may be renewed or require ISO 14001:2004 Accreditation Center in any form. This certificate is valid for the following scope, please visit www.isoindia.org



Certificate of Compliance

We certify that the Technical Documentation of the products, drawn by the Applicant, is in compliance with the specified Directives as mentioned in our procedures.

SANKESHWARA INDUSTRIES

No.5, G.T.Road, Dilshad Garden Industrial Area, Delhi - 110095, India

has been assessed and conforms to:



Applicable to:

Refer Annexure I

Certificate Number : VCE-13094

Technical Construction File Reference: TCF/048
The technical documentation show that the product complies with the Essential Safety Requirements recognized as giving presumption of compliance with the essential requirements in the listed Directive. The technical documentation of the products relate to the products listed in this certificate. Any significant modification will make this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with the applicable council directive.
It applies only to the quality system maintained in the manufacture of the referenced models in annexure I and it does not substitute the design or type examination procedures.
Validity of this certificate can be verified at www.globalsources.com/certificate/organization

Original Certification Date : 25/11/2014

Certificate Expiration Date : 24/11/2019



VNZ Management Systems Pvt. Ltd.

4th Floor Rectangle No.1, Behind Marriot Hotel Saket, Commercial Complex D4, Saket, New Delhi, 110017, INDIA.

Website: www.vnzms.com Email: contact@vnzms.com

The validity of this certificate is contingent upon the condition that the client has undertaken to agree and shall abide by contract agreement, certification agreement, Master agreement for certification services and logo rules as given on our website www.vnzms.com. The client is requested to check the above certificate details at our above mentioned website and also on www.globalsources.com/certificate/organization under the heading of Register & sub heading of certified organization by entering their certificate number and inform us in case of any discrepancy as an above email id.

Page 1 of 2



Certificate of Compliance

Annexure I

Annexure to Certificate No.: VCE-13094

Manufacturer : **SANKESHWARA INDUSTRIES**

Scope : **Manufacturing & Supply of Wires & Cables, Switchgear & Fuse Unit, MCB, Lighting & Fixtures, Distribution Board etc**

Product List

1. Wires & Cables
2. Switchgear & Fuse Unit
3. MCB
4. Lighting & Fixtures
5. Distribution Board



VNZ Management Systems Pvt. Ltd.

4th Floor Rectangle No.1, Behind Marriot Hotel Saket, Commercial Complex D4, Saket, New Delhi, 110017, INDIA.

Website: www.vnzms.com Email: contact@vnzms.com

The validity of this certificate is contingent upon the condition that the client has undertaken to agree and shall abide by contract agreement, certification agreement, Master agreement for certification services and logo rules as given on our website www.vnzms.com. The client is requested to check the above certificate details at our above mentioned website and also on www.globalsources.com/certificate/organization under the heading of Register & sub heading of certified organization by entering their certificate number and inform us in case of any discrepancy as an above email id.

Page 2 of 2

PUBLIC WORKS DEPARTMENT

From: Er.K.Mohanraj, M.E.,
Superintending Engineer, PWD, (I/C)
Electrical Circle (B.O.),
Chennai-5.

To: M/s SANKESHWARA INDUSTRIES,
No. 5 G.T.Road,
Dilshad Garden Industrial Estate,
Delhi-110095.

Letter No.DB/DO/F.06/Approval/2015 Dated: 08.2015

Sir,

Sub Buildings - Electrical Circle - KRAFT Brand - Approval - Renewal - Repairing.

- Ref: 1. T/O Letter No. DB/Sr.Do/F.06/App/2012, Dated: 12.06.2006.
2. T/O Letter No. DB/Sr.Do/F.06/App/2012, Dated: 03.05.13 & 05.05.14
3. Your Lr. No. NIL, Dated: 07.08.2015.

The Product manufactured by you are approved for using in the Electrical works carrying out by Electrical Divisions under the control of this Electrical Circle as detailed below is hereby renewed for another one year.

1. Kraft Brand PVC Wires & Cables (IS: 694:2010)



Superintending Engineer, PWD,
Electrical Circle, Chennai-5.

TAMIL NADU HOUSING BOARD : QUALITY CONTROL WING

CERTIFICATE OF PRODUCT APPROVAL File No. SE/QC/21647/2015 dated: 07.09.2015

The Quality Control Wing of Tamil Nadu Housing Board examined various aspects of your following product with reference to your letter dated 12.08.2015 to the Chief Engineer / TNHB and have accorded approval by The Chief Engineer/TNHB on 07.09.2015 to use your "Kraft" Brand PVC Insulated Cables/Domestic Grade as mentioned below on works carried out by TNHB.

1	Name of the Product/Brand Name	PVC Insulated Cables Kraft
2	Trade Mark Reg No.	Not Furnished
3	Test results	1) PWD Certificate No. SE/PWD-ELECTRICAL/L.N. DB/DO/F.06/App/2012 dated 07.08.15 validity upto: next One year (06.08.16). 2) ISO 14001:2004 Certificate No.141128029102 by TNV Certification Pvt.Ltd. (Validity upto 27.11.17). 3) VNZ Management Systems Pvt Ltd, Certificate (for CE Confirmation) No. VCE - 13094 dated 25.11.2014 validity upto 24.11.2019.
4	Testing / Certifying Agencies and Test Certificate / Certification References.	4. NATIONAL TEST HOUSE Test certificate No. NTBHR/ELC/2015/00031 dated 27.7.15. 5) OMSC Technology Pvt Ltd., Test Report (As per IS:694 - 2010) No. CT/15013056 dated 13.06.2015.
5	Indian Patented No.	Not Furnished
6	Address of Manufacturer / Factory	M/s. SANKESHWARA INDUSTRIES No.5, G.T.Road, Dilshad Garden Industrial Estate, Delhi - 110095 / Email: info@vnzms.com Chennai contact Ph: 099620 64440 / 44 2522 7548
7	BIS License Number / Reference	BIS No.(BIS) 004:2010 CML No. 85900206 issued on 23.3.2015 Validity upto to 07.08.2016 for PVC Insulated Cables
8	Standards/Specifications No.	IS: 694:2010 PVC Insulated Cables

- Limitations :
1. This Approval is to use the materials on works carried out by TNHB.
2. Approval is subject to validity of BIS License for the product and PWD approval before the supply of the dates and compliance to the specification mentioned.
3. Test results copy of the test should be produced along with all supplies to TNHB site (adhering to the test results produced at the time of this approval).
4. You should inform any change of your address of office, factory, contact telephone numbers, partnership deed, or any other articles of association of your organizations, materials, manufacturing process, quality control routines that may affect the validity of this approval, to the undersigned (or) The Chief Engineer, Tamil Nadu Housing Board who is empowered to cancel the use of the products in TNHB works and hence its approval also.
5. Validity of this approval is up to and inclusive of 06.09.2016 (for renewal review, both later a test certificate should be submitted before this validity along with BIS renewal).
6. This approval is subject to satisfactory final product inspection, quality surveillance audits, and compliance to the specification of TNHB. This approval shall not hold TNHB.



Er. C. MULLAISELVAN R.E.
SUPERINTENDING ENGINEER,
TAMIL NADU HOUSING BOARD.

Er. C.Mulla Selvan R.E.
Superintending Engineer (Quality Control),
Tamil Nadu Housing Board,
493, Anna Salai, Nandanam, Chennai-35.

Copies submitted to: The CE's / TNHB
Copy to: All the BIS and the CE's of TNHB (May send test back about this product in satisfactory final performance, continuing surveillance audits, and strict conformity to the TNHB examination).

Er. M. Sankararaj, B.E., J.E.,
Chief Engineer

Phone: 28364751, 28364762
28364763, 28364764
Fax: 28364752, 28364749



TAMIL NADU POLICE HOUSING CORPORATION LIMITED
No. 132, E.V.R. Salai, Kilpauk, Chennai - 600 010.

Lr.No. CE/DB/1658/2015

Date: 04.11.2015.

To:

M/s. Sankeshwara Industries,
No.5, G.T. Road, Dilshad Garden Industrial Estate,
Delhi - 110095.

Gentlemen,

Subj: TNPHC - M/s. Sankeshwara Industries - brand of "KRAFT" PVC wires and cables - Renewal-intimation - Reg.

Ref: 1. M/s. Sankeshwara Industries, Delhi. Lr.SI/TNPCL/02/2015, Dt:07.08.15

2. M/s. Sankeshwara Industries, Delhi.
Lr.No/NIL Dt:20.10.2015

With references to above, it is informed that based on the credentials furnished by you, vide references cited, the PVC wires and cables having BIS license No. CML 8500002806, IS No.694:2010 is renewed in TNPHC for a period of one more year from the date of issue of this letter.

Further, it is informed that you should produce the test certificate along with each consignment to the concerned officers without fail. Also you are requested to produce IT & STC every year to this office without fail.

The receipt of the letter may be acknowledged.

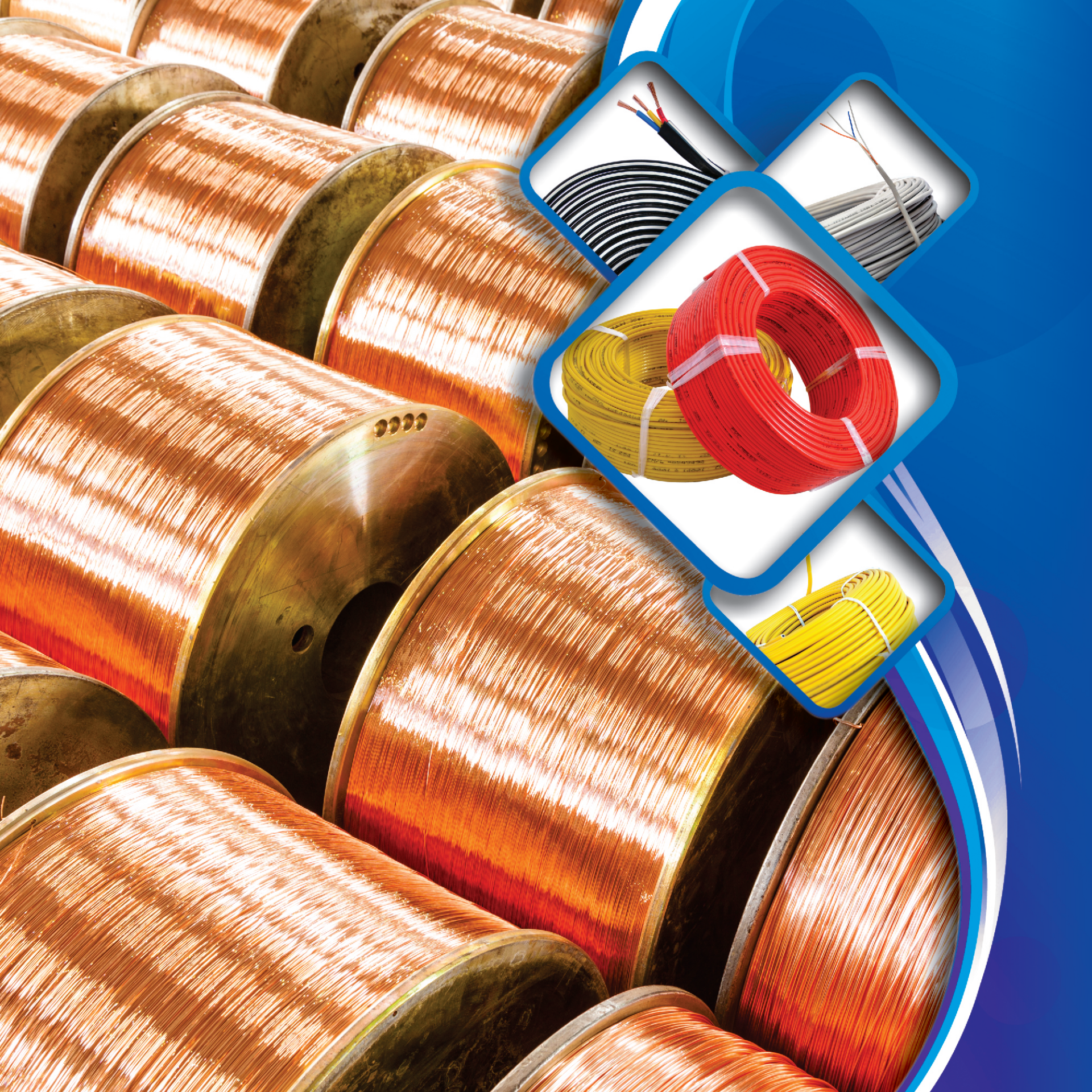
Sd/-
Chief Engineer/TNPHC

Copy to:
All the SEs of TNPHC Ltd.,
All the JEs of TNPHC Ltd.,

Forwarded By Order

[Signature]
Sd/-
Chief Engineer/TNPHC

PURE COPPER
SUPERIOR
CONNECTIVITY





Mktg. by:

ASKKAY MARKETING PVT. LTD

Padmavathi Tower, #20, Sambayar Street, Chennai - 600 001.

Customer Care: +91 81 90 90 9000

E: info@kraftcable.in | www.kraftcable.in



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