Connecting the world through
technology and quality

GEEKORE®

An ISO 9001 : 2008 Certified Company

Introduction

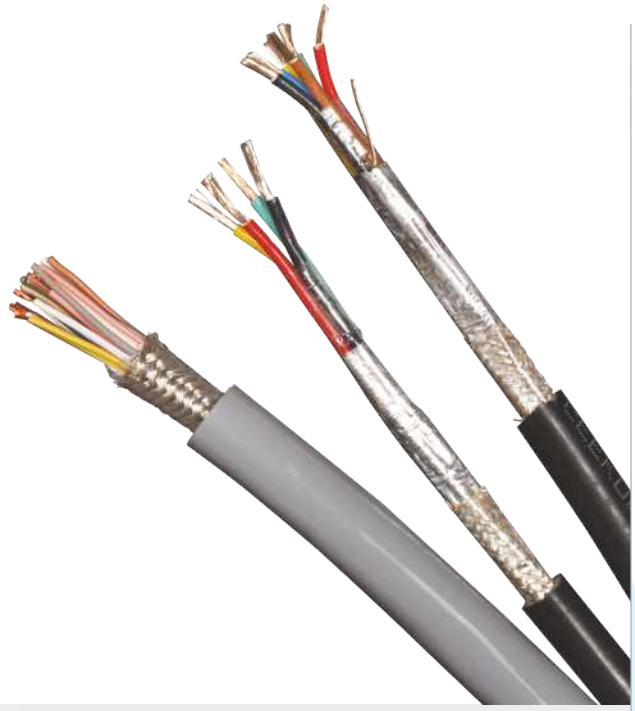
Connecting to a safer world

Welcome to the world of GEEKORE Cable where quality and service are the cornerstones of the enterprise. GEEKORE is one of the leading ISO 9001:2008 accredited organizations engaged in the field of design/ manufacture of various types of precision wires & cables including 1.1 kV control, Instrumentation and high temperature cables and other allied products.

GEEKORE has established itself in a wide range of industries that include MNC's the company also has Public Sector Enterprises and private industries Overseas business in various applications like:

- Electronics in radar, antenna etc
- Railway signaling
- Instrumentation of steel, power and cement plants
- Instrumentation of nuclear power plants
- Winding of submersible pumps
- Cabling in Instrument transformers
- Luminaires & Appliance wiring

Our work is manned by professionally and technically qualified engineers. We offer the latest generation products with continuous quality improvements in order to provide product and service excellence to customers.



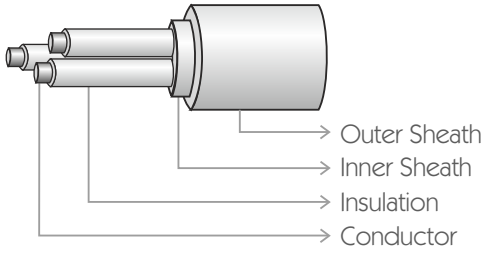
"Total quality monitoring systems are adopted to ensure consistent, reliable, and quality products through the optimum use of company's resources. Our principal asset is our people; highly motivated and trained professionals."

Naresh Agarwal (M.D.)

Product Spectra

- LT Control **Cables**
  - Armoured & Unarmoured
- Instrumentation/Signal **Cables**
  - Armoured & Unarmoured
  - Individually & Collectively Screened
- Thermocouple Compensating / Extension **Cables**
  - PVC Insulated Armoured & Unarmoured **upto 90°C**
  - High Temperature Teflon Insulated **upto 250°C**
  - Fibre Glass Insulated **upto 600°C**
- FRPVC / FRLS PVC / HFFR **Equipment Wires**
- Submersible **Winding** & 3 Core Flat **Cables**
- Fluoropolymer Insulated Equipment **Wires**
  - Extruded FEP Wires
  - Wrapped PTFE Wires
  - Extruded ETFE/PFA Wires
- High Temperature Multi-core **Cables**
- HR Power **Cable** for Kilns
- High Voltage **Cable** for **Transformers**
- RG Coaxial **Cables**
- Heating **Wires** and **Cables**
  - Under tiles heaters
  - Under carpet heaters
  - In-concrete heaters
  - Low wattage heaters for special applications
- Heating **Mats**

LT Control Cable (Unarmoured) IS : 1554 (Pt-I) - 1988

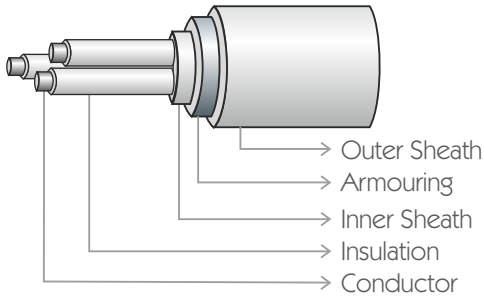


Technical Data :

Operating Voltage : 1100 volts
Temperature Range : 0 to 90 deg C
FRLS Properties : as per IS 694-90
High Voltage Testing : at 5 kV. 1 minute core to core
Conductor Resistance : 12.1 ohm/km for 1.5 sq mm
8.41 ohm/km for 2.5 sq mm
Insulation Resistance : Nom. 100 Mohm x km at 20 deg C

Cable Part No.	No.of Cores & Cross Sectional Area No x mm2	Thickness of PVC Insulation (Nom.) mm	Thickness of PVC Inner sheath Extruded (min) mm	Thickness of PVC Outer shealth (Nom.) mm	Approx. O.D. mm	Approx. Net Weight of Cable Kg / Km	Current Rating	
							Direct in Ground Amps.	In Air / Duct Amps.
02150	2 x 1.5	0.8	0.3	1.8	11.8	185	23	20
03150	3 x 1.5	0.8	0.3	1.8	12.3	190	21	17
04150	4 x 1.5	0.8	0.3	1.8	13.2	225	21	17
05150	5 x 1.5	0.8	0.3	1.8	14.1	260	16	14
06150	6 x 1.5	0.8	0.3	1.8	15.1	295	15	13
07150	7 x 1.5	0.8	0.3	1.8	15.1	315	14	13
10150	10 x 1.5	0.8	0.3	1.8	18.4	425	13	11
12150	12 x 1.5	0.8	0.3	1.8	18.9	480	12	10
14150	14 x 1.5	0.8	0.3	1.8	19.8	535	11	10
16150	16 x 1.5	0.8	0.3	1.8	20.7	595	11	9
19150	19 x 1.5	0.8	0.3	2.0	22.5	720	10	9
24150	24 x 1.5	0.8	0.3	2.0	25.8	880	9	8
27150	27 x 1.5	0.8	0.3	2.0	26.3	950	9	8
30150	30 x 1.5	0.8	0.3	2.0	27.2	1040	9	7
37150	37 x 1.5	0.8	0.3	2.0	29.1	1230	8	7
02250	2 x 2.5	0.9	0.3	1.8	13.0	230	32	27
03250	3 x 2.5	0.9	0.3	1.8	13.6	240	27	24
04250	4 x 2.5	0.9	0.3	1.8	14.6	290	27	24
05250	5 x 2.5	0.9	0.3	1.8	15.7	335	23	19
06250	6 x 2.5	0.9	0.3	1.8	16.9	384	21	18
07250	7 x 2.5	0.9	0.3	1.8	16.9	420	20	17
10250	10 x 2.5	0.9	0.3	1.8	20.8	570	18	15
12250	12 x 2.5	0.9	0.3	2.0	22.2	690	17	14
14250	14 x 2.5	0.9	0.3	2.0	23.2	775	16	13
19250	19 x 2.5	0.9	0.3	2.0	25.5	985	14	12
24250	24 x 2.5	0.9	0.3	2.0	29.4	1215	13	11
27250	27 x 2.5	0.9	0.3	2.0	30.0	1330	12	10
30250	30 x 2.5	0.9	0.3	2.0	31.0	1450	12	10
27250	27 x 2.5	0.9	0.3	2.0	30.0	1330	12	10
30250	30 x 2.5	0.9	0.3	2.0	31.0	1450	12	10
37250	37 x 2.5	0.9	0.4	2.0	34.1	1790	11	9

LT Control Cable (Armoured) IS : 1554 (Pt-I) - 1988



Technical Data :

Operating Voltage : 1100 volts
Temperature Range : 0 to 90 deg C
FRLS Properties : as per IS 694-90
High Voltage Testing : at 5 kV. 1 minute core to core
Conductor Resistance : 12.1 ohm/km for 1.5 sq mm
8.41 ohm/km for 2.5 sq mm
Insulation Resistance : Nom. 100 Mohm x km at 20 deg C

Cable Part No.	No. of Cross Selection Area No x mm3	Thickness of PVC Insulati on (Nom.) mm	Thickness Inner sheath Extruded (min.) mm	Strip Armored Cable				Wired Armoured Cable				Current Rating	
				Strip Size mm	Thickness of PVE Outer Sheath (Min) mm	Approx. OD mm	Approx. Net weight of Cable Kg / km	Round Wire Dia mm	Thickness of PVC Outer Sheath (Min)mm	Approx. OD mm	Approx. Net weight of Cable Kg / km	Direct in Ground Amps	In Air Duct. Amps
02150A	2 x 1.5	0.8	0.3	-	-	-	-	1.4	1.24	13.6	415	23	20
03150A	3 x 1.5	0.8	0.3	-	-	-	-	1.4	1.24	14.1	430	21	17
04150A	4 x 1.5	0.8	0.3	-	-	-	-	1.4	1.24	15.0	490	21	17
05150A	5 x 1.5	0.8	0.3	-	-	-	-	1.4	1.24	15.9	545	16	14
06150A	6 x 1.5	0.8	0.3	-	-	-	-	1.4	1.24	16.9	605	15	13
07150A	7 x 1.5	0.8	0.3	-	-	-	-	1.4	1.24	16.9	630	14	13
10150A	10 x 1.5	0.8	0.3	-	-	-	-	1.4	1.40	20.6	835	13	11
12150A	14 x 1.5	0.8	0.3	4 x 0.8	1.24	19.5	760	1.6	1.40	21.5	950	12	10
14150A	14 x 1.5	0.8	0.3	4 x 0.8	1.40	20.8	830	1.6	1.40	22.4	1040	11	10
16150A	16 x 1.5	0.8	0.3	4 x 0.8	1.40	21.7	920	1.6	1.40	23.3	1130	11	9
19150A	19 x 1.5	0.8	0.3	4 x 0.8	1.40	23.1	1040	1.6	1.40	24.7	1265	10	9
24150A	24 x 1.5	0.8	0.3	4 x 0.8	1.40	26.4	1250	1.6	1.40	28.0	1510	9	8
27150A	27 x 1.5	0.8	0.3	4 x 0.8	1.40	26.9	1355	1.6	1.40	28.5	1610	9	8
30150A	27 x 1.5	0.8	0.3	4 x 0.8	1.40	26.9	1355	1.6	1.40	28.5	1610	9	8
37150A	37 x 1.5	0.8	0.3	4 x 0.8	1.40	29.7	1670	1.6	1.40	31.3	1960	8	7
02250A	2 x 2.5	0.9	0.3	-	-	-	-	1.4	1.24	14.8	500	23	27
03250A	3 x 2.5	0.9	0.3	-	-	-	-	1.4	1.24	15.4	520	27	24
04250A	4 x 2.5	0.9	0.3	-	-	-	-	1.4	1.24	15.4	520	27	24
05250A	5 x 2.5	0.9	0.3	-	-	-	-	1.4	1.24	17.5	660	23	19
06250A	6 x 2.5	0.9	0.3	-	-	-	-	1.4	1.24	18.7	745	21	18
07250A	7 x 2.5	0.9	0.3	-	-	-	-	1.4	1.24	18.7	780	20	17
10250A	10 x 2.5	0.9	0.3	4 x 0.8	1.40	21.8	900	1.6	1.40	23.4	1110	18	15
14250A	14 x 2.5	0.9	0.3	4 x 0.8	1.40	23.8	1130	1.6	1.40	25.4	1340	16	13
16250A	16 x 2.5	0.9	0.3	4 x 0.8	1.40	24.9	1210	1.6	1.40	26.5	1455	15	13
19250A	19 x 2.5	0.9	0.3	4 x 0.8	1.40	26.1	1355	1.6	1.40	27.7	1605	14	12
24250A	24 x 2.5	0.9	0.3	4 x 0.8	1.40	30.0	1655	1.6	1.56	32.0	1970	13	11
27250A	27 x 2.5	0.9	0.3	4 x 0.8	1.40	30.6	1770	1.6	1.56	32.6	2100	12	10
30250A	30 x 2.5	0.9	0.3	4 x 0.8	1.56	32.0	1940	1.6	1.56	33.6	2250	12	10
37250A	37 x 2.5	0.9	0.4	4 x 0.8	1.56	34.7	2300	2.0	1.56	37.1	2900	11	9

LT Control Cables

Ordering Code:

Example: 2 core 1.5 sq mm Annealed bare copper conductor,
HR PVC Insulation armored, with PVC Sheath (type ST2) FRLS Cable

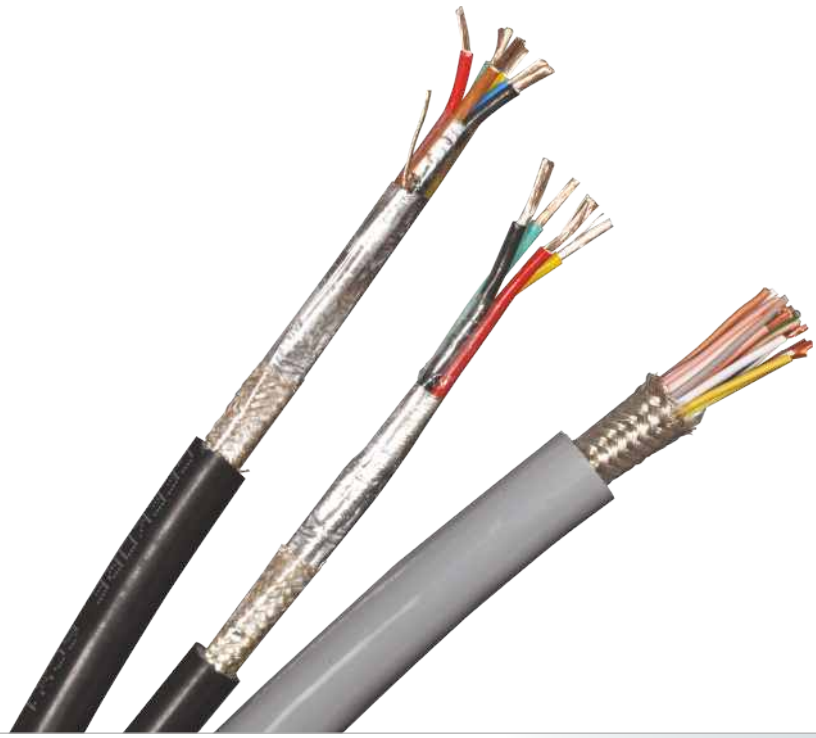
2C1.5A / ABC / 02 / 01 / FRLS*

- Color Code
- Insulation / Sheath Code
- Conductor Code
- Size Code (Refer Table)

* MENTION, IF REQUIRED

Part Number Identification

Code	Detail	Application
Conductor Code		
ABC	Annealed bare copper	Crimped connections
ATC	Annealed tinned copper	Soldered connection
Insulation / sheath code		
01	Type A / Type ST1	0 - 70 deg C temperature
02	Type C / Type ST2	0 - 90 deg C temperature
Color Code		
01	Colored cores	As per user's requirement
02	Numbered Cores	As per user's requirement



Instrumentation Cables

Technical Data:

- Voltage rating : 1.1 kV AC
- High Voltage Testing : 2 kV AC for 1 second core to core
- Insulation resistance : Nom. 100 Mohm x km
- Max. Temperature : Upto 70 deg C for PVC and 90 deg C for HRPVC
- Bending radius : 7.5 x cable dia
- Drain wire : 0.5 sq mm ATC drain wire
- Insulation color : White & blue for pair, numbering for pair identification
- Sheath Color : Sky blue

SIZE CODE	PAIRS X CROSS sectional area (sq mm)	Overall diameter (mm)	
		Overall screened	Individual and overall screened
01P050	1P x 0.5	11.2	----
02P050	2P x 0.5	12.1	13
04P050	4P x 0.5	16.8	17.7
06P050	6P x 0.5	18.5	20.6
08P050	8P x 0.5	20.2	22.0
10P050	10P x 0.5	22.8	25.4
12P050	12P x 0.5	23.4	26.0
16P050	16P x 0.5	25.9	27.8
20P050	20P x 0.5	27.6	29.9
24P050	24P x 0.5	30.6	32.9
30P050	30P x 0.5	32.4	34.5
01P100	1P x 1.0	12.2	
02P100	2P x 1.0	14	15
04P100	4P x 1.0	19.6	20.4
06P100	6P x 1.0	21.6	23.8
08P100	8P x 1.0	23.1	25.7
10P100	10P x 1.0	25	29.5
12P100	12P x 1.0	26	30.7
16P100	16P x 1.0	29.2	32.7
20P100	20P x 1.0	31.7	36.2
24P100	24P x 1.0	35.2	40
30P100	30P x 1.0	37.2	47.6

SIZE CODE	PAIRS X CROSS sectional area (sq mm)	Overall diameter (mm)	
		Overall screened	Individual and overall screened
01P075	1P x 0.75	11.6	--
02P075	2P x 0.75	15.0	16.2
04P075	4P x 0.75	18.4	18.9
06P075	6P x 0.75	20.5	22.2
08P075	8P x 0.75	22.5	23.7
10P075	10P x 0.75	25.5	27.3
12P075	12P x 0.75	25.9	28.1
16P075	16P x 0.75	27.5	30.2
20P075	20P x 0.75	29.7	37.1
24P075	24P x 0.75	32. 7	39.3
30P075	30P x 0.75	36.0	44.1
01P150	1P x 1.5	13.0	--
02P150	2P x 1.5	14.2	20.4
04P150	4P x 1.5	20.9	22.8
06P150	6P x 1.5	23.1	26.7
08P150	8P x 1.5	24.8	29.2
10P150	10P x 1.5	28.6	32.8
12P150	12P x 1.5	29.4	33.8
16P150	16P x 1.5	31.7	37.3
20P150	20P x 1.5	34.2	40.3
24P150	24P x 1.5	38.8	44.9
30P150	30P x 1.5	41.2	49.5

Instrumentation Cables

Ordering Code:

Example: 12 pair 1.5 sq mm Annealed bare copper conductor, HR PVC Insulation, individual & overall screened by al-mylar tape with ATC drain wire, inner sheath by HRPVC, armored with GI strip 4 x 0.8 mm, PVC Sheath (type ST2) FRLS Cable

12P150 / ABC / HP / IO / HS / S / FRLS*

- Armoring
- Sheath Code
- Screening
- Insulation Code
- Conductor Code
- Size Code (Refer Table)

Part Number Identification

Code	Details
Inner Conductor	
T	Annealed tinned copper
B	Annealed bare copper
Core insulation	
PV	PVC (type A as per IS: 5831-84)
HP	HR PVC (Type C as per IS: 5831-84)
PE	Polyethylene
XL	Cross Link PE
Screening	
O	Overall screening by al mylar with drain
IO	Individual & overall screening by al mylar with drain wire
B	Tinned copper braiding
Cable Laying	
P	Pairs
T	Triads
Inner / Outer sheath	
PS	PVC (Type ST1 as per IS: 5831-84)
HS	HR PVC (Type ST2 as per IS: 5831-84)
Armoring	
A	0.9 mm round wire
R	1.4 mm round wire
S	4 x 0.8 mm Flat Strip

Submersible Winding Wires & 3 Core Flat Cables for Submersible Pump Motors

GEEKORE manufactures wide range of submersible winding wires for 'Wet type' motors. With years of experience and expertise, we have a leading edge over many other manufacturers.

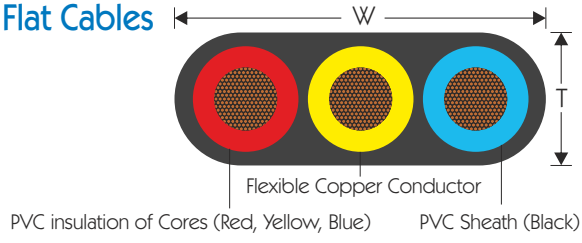
PVC Insulated Winding Wires

The PVC insulated winding wire is being manufactured with a specially developed compound which can withstand voltage fluctuation and has very high insulation resistance even at elevated temperatures.
Range : 0.80 mm to 3.5 mm conductor dia.

Wrapped Winding Wires

These wires are being manufactured by wrapping process using synthetic films. These types of wires have outstanding electrical; mechanical and chemical properties and can withstand water abrasion and frictional losses, saves space / size cost and work in all types of weather conditions, in water filled submersible motors.
Range : 0.30 mm to 2.0 mm conductor dia.

Three Core Flat Cables



The Strand diameter is nominal. However, construction of conductor is designed to comply with the requirements of conductor resistance as per IS 8130 : 1984

The individual conductors are made from bright-annealed electrolytic copper. Conductors are insulated with specially formulated PVC in red, yellow and blue colors. Insulating sheathing compounds are specially formulated to give non glossy surface for enhanced life of the cables suitable from - 15 to +70 deg C. Use of color pigment only on skin improves the insulation resistance value of PVC and increases the life of the cable. **These cables confirm to IS:694:1990**.

GEEKORE also manufactures 3 Core Flat Cable with Copper Conductor XLPE Insulation and HR PVC Sheath

Specification is generally conforming to IS:7098 (part-1) 1988.
XLPE insulation enhances the current rating and overload capacity for the same size.
These cables are lighter in weight due to low density of XLPE over PVC.

3 Core Flat Cables in Copper conductor with PVC vs. XLPE core Insulation

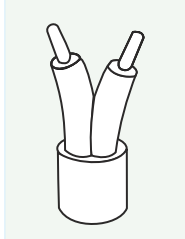
Conductor		Insulation		Sheath		Overall Dimensions				Conductor	Current
Area	No./Strand dia	Thickness		Thickness		Width		Height		Resistance @ 20° C	Carrying Capacity
	(Nom)	(Nom)		(Nom)		(Approx)		(Approx)		Max.	@ 40° C
		PVC	XLPE	PVC	XLPE	PVC	XLPE	PVC	XLPE		
Sq.mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Ohms / km	Amps
1.0	37/0.186	0.6	n/a	0.90	n/a	9.85	n/a	4.55	n/a	19.5	12
1.5	22/0.30	0.6	n/a	0.90	n/a	10.3	n/a	4.95	n/a	12.10	14
2.5	36/0.30	0.7	0.70	1.00	1.00	12.7	12.7	5.9	6.0	7.41	18
4.0	56/0.30	0.8	0.70	1.00	1.00	14.9	14.9	6.6	6.6	4.95	26
6.0	84/0.30	0.8	0.70	1.15	1.10	16.5	16.90	7.7	7.4	3.30	31
10.0	140/0.30	1.0	0.70	1.40	1.20	21.0	20.30	9.3	9.1	1.91	42
16.0	226/0.30	1.0	0.70	1.40	1.30	24.5	23.80	10.7	10.4	1.21	57
25.0	354/0.30	1.2	0.90	2.00	1.50	30.6	29.60	13.4	12.9	0.78	72
35.0	495/0.30	1.2	0.90	2.00	1.60	34.6	33.60	15.0	14.4	0.554	90
50.0	703/0.30	1.4	n/a	2.20	n/a	41.2	n/a	17.5	n/a	0.386	115
70.0	440/0.45	1.4	n/a	2.20	n/a	46.6	n/a	19.0	n/a	0.272	143
50.0	703/0.30	1.4	n/a	2.20	n/a	41.2	n/a	17.5	n/a	0.386	115
95.0	485/0.50	1.6	n/a	2.40	n/a	53.0	n/a	21.5	n/a	0.206	165

Thermocouple Extension / Compensating Grade Cable

Color Code

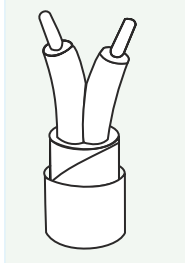
		DIN	IEC	ANSI	JIS	IS	Deviation in Temp. (°C)		
Thermocouple Conductor Combination Type	Grade	German to Din 43710	International Color Code TO IEC 5843 : 1989	American to ABSU/MC96.1	Japanese to JIS C 1610 - 1981	Indian to IS 8784:1984	At 50° C Ambient	At 100° C Ambient	At 200° C Ambient
K	Extension						—	0.6	1.1
K	Compensating						0.6	1.1	--
T	Extension						—	0.3	0.5
J	Extension						—	0.6	1.1
N	Extension						—	0.5	0.9
E	Extension						0.8	1.1	1.1
R	Compensating						0.9	1.0	1.3
S	Compensating						0.9	1.0	1.3
B	Compensating						0.9	1.0	1.3

Flat / Non Screened / Non Armored (PVC/PE insulated)



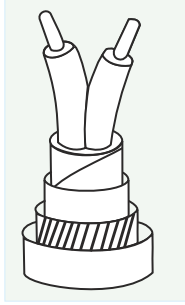
Cable Part No.	AWG	Cross Sectional Area	Conductor Stranding	Nom Outer Diameter (mm)
P2407	24	0.22 sq. mm	7 x 0.2 mm	4.2 x 2.6
P2401	24	0.2 sq. mm	1 x 0.5 mm	4.2 x 2.6
P2001	20	0.5 sq. mm	1 x 0.8 mm	4.6 x 2.8
P2007	20	0.5 sq. mm	7 x 0.3 mm	4.9 x 3.0
P1814	18	1.0 sq. mm	14 x 0.3 mm	6.2 x 3.7
P1603	16	1.3 sq mm	3 x 0.71 mm	6.6 x 4.0

Flat (or Twisted) / Screened / Non Armored (PVC insulated)



Cable Part No.	AWG	Cross Sectional Area	Conductor Stranding	Nom Outer Diameter (mm)
P2407S	24	0.22 sq. mm	7 x 0.2 mm	4.3 x 2.7
P2401S	24	0.2 sq. mm	1 x 0.5 mm	4.3 x 2.7
P2001S	20	0.5 sq. mm	1 x 0.8 mm	4.7 x 2.9
P2007S	20	0.5 sq. mm	7 x 0.3 mm	5.0 x 3.10
P1814S	18	1.0 sq. mm	14 x 0.3 mm	6.2 x 3.8
P1603S	16	1.3 sq mm	3 x 0.71 mm	6.7 x 4.1

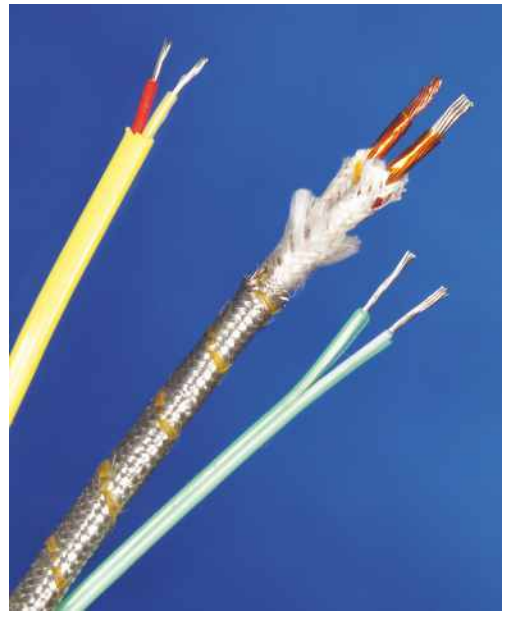
Screened & Armored (PVC insulated)



Cable Part No.	AWG	Cross Sectional Area	Conductor Stranding	Nom Outer Diameter (mm)
P2001SA	20	0.5 sq. mm	1 x 0.8 mm	8.5
P2007SA	20	0.5 sq. mm	1 x 0.3 mm	8.5
P1814SA	18	1.0 sq. mm	14 x 0.3 mm	11.2
P1603SA	16	1.3 sq. mm	3 x 0.71 mm	12.0
P1601SA	16	1.3 sq. mm	1 x 1.3 mm	12.0
P1521SA	15	1.5 sq mm	21 x 0.3 mm	12.8
P1548SA	15	1.5 sq mm	48 x 0.2 mm	12.8

Fluoropolymer Insulated and Sheathed (upto 250 Deg C)

Cable Part No.	AWG	Cross Sectional Area	Conductor Stranding	Nom Outer Diameter (mm)
H2407	24	0.22 sq. mm	7 x 0.2 mm	2.5 x 1.7
H2401	24	0.2 sq. mm	1 x 0.5 mm	2.5 x 2.0
H2001	20	0.5 sq. mm	1 x 0.8 mm	3.4 x 2.0
H2007	20	0.5 sq. mm	7 x 0.3 mm	3.7 x 2.0
H1814	18	1.0 sq. mm	14 x 0.3 mm	4.0 x 2.3
H1603	16	1.3 sq mm	3 x 0.71 mm	5.0 x 2.8



Fluoropolymer Insulated and Sheathed, SS Braided (upto 250 Deg C)

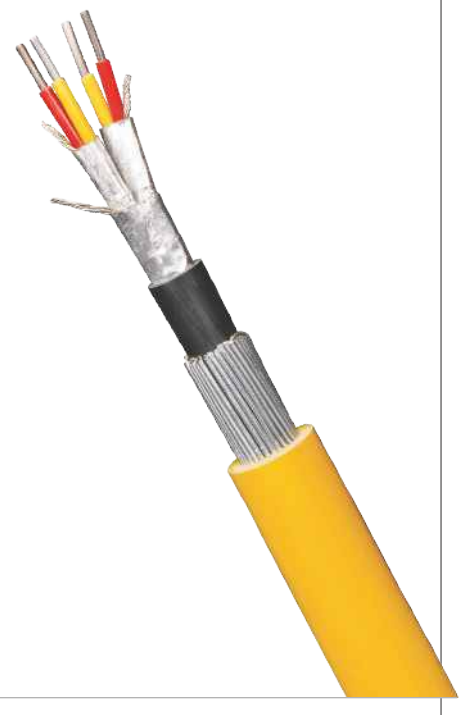
Cable Part No.	AWG	Cross Sectional Area	Conductor Stranding	Nom Outer Diameter (mm)
H2407S	24	0.22 sq. mm	7 x 0.2 mm	2.9 x 1.7
H2401S	24	0.2 sq. mm	1 x 0.5 mm	2.9 x 2.1
H2001S	20	0.5 sq. mm	1 x 0.8 mm	3.9 x 2.4
H2007S	20	0.5 sq. mm	7 x 0.3 mm	4.1 x 2.5
H1814S	18	1.0 sq. mm	14 x 0.3 mm	4.4 x 2.7
H1603S	16	1.3 sq mm	3 x 0.71 mm	5.4 x 3.2

Fiber Glass Insulated Sheathed (upto 600 Deg C)

Cable Part No.	AWG	Cross Sectional Area	Conductor Stranding	Nom Outer Diameter (mm)
F2407	24	0.22 sq. mm	7 x 0.2 mm	2.9 x 1.7
F2401	24	0.2 sq. mm	1 x 0.5 mm	2.9 x 2.1
F2001	20	0.5 sq. mm	1 x 0.8 mm	3.9 x 2.4
F2007	20	0.5 sq. mm	7 x 0.3 mm	4.1 x 2.5
F1814	18	1.0 sq. mm	14 x 0.3 mm	4.4 x 2.7
F1603	16	1.3 sq mm	3 x 0.71 mm	5.4 x 3.2

Fiber Glass Insulated and Sheathed, SS Braided (upto 600 Deg C)

Cable Part No.	AWG	Cross Sectional Area	Conductor Stranding	Nom Outer Diameter (mm)
F2407S	24	0.22 sq. mm	7 x 0.2 mm	2.9 x 2.1
F2401S	24	0.2 sq. mm	1 x 0.5 mm	2.9 x 2.1
F2001S	20	0.5 sq. mm	1 x 0.8 mm	3.9 x 2.4
F2007S	20	0.5 sq. mm	7 x 0.3 mm	4.1 x 2.5
F1814S	18	1.0 sq. mm	14 x 0.3 mm	4.4 x 2.7
F1603S	16	1.3 sq mm	3 x 0.71 mm	5.4 x 3.2



Ordering Code:

Example: 2 pair, Awg 16, KX thermocouple screened and armoured PVC insulated, ANSI color coded

KX / 2 / P1601SA / ANSI

- Color Code
- Cable Part No. (Refer List)
- No. of Pair
- Thermocouple Type

RTD Cable for PT 100 Sensor (Color Coding as per Din)

HR PVC / ZHFR / TPE / HDPE Insulated
(for Ambient Temperature upto 105°C)

PVC / Screening / PVC

Cable Part No.	Cable Description	Cross Sectional Area	Conductor Stranding	Outer dia (mm)
H3C2007S	3C x AWG 20	0.5 sq mm	7 x 0.3 mm	5.3
H4C2007S	4C x AWG 20	0.5 sq mm	7 x 0.3 mm	5.7
H6C2007S	6C x AWG 20	1.0 sq mm	7 x 0.3 mm	6.9
H3C1814S	3C x AWG 18	1.0 sq mm	14 x 0.3 mm	6.7
H4C1814S	4C x AWG 18	1.0 sq mm	14 x 0.3 mm	7.3
H6C1814S	6C x AWG 18	1.0 sq mm	14 x 0.3 mm	8.9

PVC / Screening / PVC / GI ARMORING / PVC

Cable Part No.	Cable Description	Cross Sectional Area	Conductor Stranding	Outer dia (mm)
H3C2007SA	3C x AWG 20	0.5 sq mm	7 x 0.3 mm	9.8
H4C2007SA	4C x AWG 20	0.5 sq mm	7 x 0.3 mm	10.5
H6C2007SA	6C x AWG 20	0.5 sq mm	7 x 0.3 mm	11.5
H3C1814SA	3C x AWG 18	1.0 sq mm	14 x 0.3 mm	12.5
H4C1814SA	4C x AWG 18	1.0 sq mm	14 x 0.3 mm	13.2
H6C1814SA	6C x AWG 18	1.0 sq mm	14 x 0.3 mm	14.7

Heat Resistant (PTFE) Insulated Silver Plated Copper
(for Ambient Temperature upto 260°C)

PTFE / PTFE

Cable Part No.	Cable Description	Cross Sectional Area	Conductor Stranding	Outer dia (mm)
H3C2407	3C x AWG 24	0.22 sq mm	7 x 0.2 mm	2.8
H4C2407	4C x AWG 24	0.22 sq mm	7 x 0.2 mm	2.9
H6C2407	6C x AWG 24	0.22 sq mm	7 x 0.2 mm	3.9
H3C2007	3C x AWG 20	0.5 sq mm	7 x 0.3 mm	3.6
H4C2007	4C x AWG 20	0.5 sq mm	7 x 0.3 mm	3.9
H6C2007	6C x AWG 20	0.5 sq mm	7 x 0.3 mm	4.8

PTFE / PTFE / SS

Cable Part No.	Cable Description	Cross Sectional Area	Conductor Stranding	Outer dia (mm)
H3C2407S	3C x AWG 24	0.22 sq mm	7 x 0.2 mm	3.2
H4C2407S	4C x AWG 24	0.22 sq mm	7 x 0.2 mm	3.3
H6C2407S	6C x AWG 24	0.22 sq mm	7 x 0.2 mm	4.3
H3C2007S	3C x AWG 20	0.5 sq mm	7 x 0.3 mm	4.0
H4C2007S	4C x AWG 20	0.5 sq mm	7 x 0.3 mm	4.3
H6C2007S	6C x AWG 20	0.5 sq mm	7 x 0.3 mm	5.2

PVC Insulated Equipment Wires (with Copper Conductor)

Nom. Cross section	Single wire					Stranded wire				
	Conductor stranding	Nom. Outer dia (mm)		Max Resistance (Ω/km)at 20° C		Conductor stranding	Outer dia (mm)		Max Resistance (Ω/km)at 20° C	
area (sq mm)		660 V	1100 V	Bare copper	Tinned copper		660 V	1100 V	Bare copper	Tinned copper
0.12	0.4	1.60	1.80	150	150.9	--	--	--	--	--
0.20	0.5	1.70	1.90	90	90.9	--	--	--	--	--
0.28	0.6	1.80	2.00	65	65.7	--	--	--	--	--
0.38	0.7	1.90	2.10	47.0	47.7	--	--	--	--	--
0.5	0.8	2.00	2.20	36.0	36.7	7 x 0.3	2.12	2.35	36.0	36.7
0.75	0.98	2.18	2.40	24.5	24.8	7 x 0.37	2.33	2.55	24.5	24.8
1.0	1.13	2.4	2.55	18.1	18.2	7 x 0.43	2.50	2.70	18.1	18.2
1.5	1.38	2.60	2.80	12.1	12.2	7 x 0.52	2.80	3.00	12.1	12.2
2.5	1.79	3.20	3.40	7.41	7.56	7 x 0.67	3.50	3.70	7.41	7.56
4	2.26	3.66	3.85	4.61	4.7	7 x 85	4.00	4.20	4.61	4.7
6	2.77	4.18	4.40	3.08	3.11	7 x1.05	4.60	4.80	3.08	3.11
10	--	--	--	1.83	1.84	7 x 1.35	6.00	6.15	1.83	1.84
16	--	--	--	1.15	1.16	7 x1.71	7.05	7.25	1.15	1.16
25	--	--	--	0.727	0.734	7 x 2.14	8.70	8.90	0.727	0.734
35	--	--	--	0.524	0.529	7 x 2.52	9.95	10.20	0.524	0.529
50	--	--	--	0.387	0.391	19 x 1.83	11.65	12.05	0.387	0.391
70	--	--	--	0.268	0.270	19 x 2.17	13.40	13.80	0.268	0.270

Fine Stranded wire				
Conductor stranding	Outer dia (mm)		Max Resistance (Ω/km)at 20° C	
	660 V	1100 V	Bare copper	Tinned copper
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
12 x 0.2	1.80	2.00	52.0	53.5
16 x 0.2	2.00	2.15	39.0	40.1
24 x 0.2	2.20	2.35	26.0	26.7
32 x 0.2	2.30	2.50	19.5	20.0
30 x 0.25	2.50	2.80	13.3	13.7
50 x 0.25	3.30	3.50	7.98	8.21
56 x 0.3	3.70	4.50	4.95	5.09
84 x 0.3	4.50	4.80	3.30	3.39
80 x 0.4	5.90	6.20	1.91	1.95
126 x 0.4	6.60	7.20	1.21	1.24
196 x 0.4	9.50	10.0	0.780	0.795
280 x 0.4	10.50	11.0	0.554	0.565
396 x 0.4	12.65	13.10	0.386	0.393
356 x 0.5	14.80	15.20	0.272	0.277

Part Number Identification

Conductor	Code
Annealed Bare Copper	ABC
Annealed Tinned Copper	ATC
Stranding	**Code**
Single Strand Wire	SS
Stranded	MS
Fine Stranded Wire	FS
Insulation	**Code**
PVC	P
Fire Retardant	FR
Fire Retardant, Low Smoke	FRLS
Zero Halogen Fire Retardant	ZHFR
Polyurethane	PUR
High Density Polyethylene	HDPE
Low Density Polyethylene	LDPE
XLPE	XLPE

Cable Technical Characteristics

- Soft annealed Copper conductor with 99.9% cu purity
- Insulation by general purpose PVC for 70 deg C application
- HR PVC for 85 deg C and FRLS /FR PVC for 90 deg C application
- XLPE insulation with steam curing for 90 deg C application.
- ZHFR
- RoHS grade Tinned Copper with PVC as per requirement.

Specification referenced:

- IS 8130 and VDE 0295 for conductor
- IS 5831, IS 694, IS 1554 and VDE 0282

Testing:

- 100% spark test as per IS 694 and IS 1554
- Conductor and insulation resistance
- Aging test of PVC insulation

Ordering Code

Example: 0.5 Sq.mm. ATC, Single strand, PVC insulated 1100 Volts, Red Color

ATC / 0.5 / SS / P / 1100 / Red

- Color Code
- Voltage Rating
- Insulation Code
- Stranding
- Sq mm
- Conductor Material

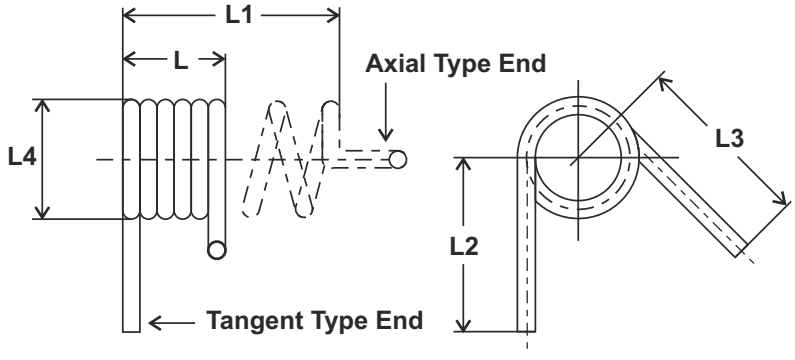
Spiflex Cables

Application:

GEEKORE make Curly cord/cables have a retractable property and rugged abrasion resistance. It has chemical resistance and extension capability around 3 times the compressed length.

Construction:

It is a multi-conductor composite control cable, shielded or unshielded with PVC insulation and PUR sheathed, conductor is extra fine stranded annealed bare copper.



Technical Data :

Temperature Range	: 0°C to +80°C
Rated Voltage	: 300/500V
Test Voltage	: 3000V
Extended and retracted length ratio	: 3:1
Color coding	: as per customer requirement else VDE 0293
Resistant	: to mineral oils, cutting fluids and mechanical abuse Flame retardant

While ordering / enquire, please specify:

1. Description of inner cables
2. Retracted Length, L
3. Extended Length, L1
4. Tail Length, L2 and L3
5. Spiral outer diameter, L4
6. Color coding, if other than black
7. Any special characteristics, if required
8. Voltage application like 240V or for extra low voltage system.
9. Quantity in pcs

Silicon Rubber Insulated Wires & Cables for 180°C

Application:

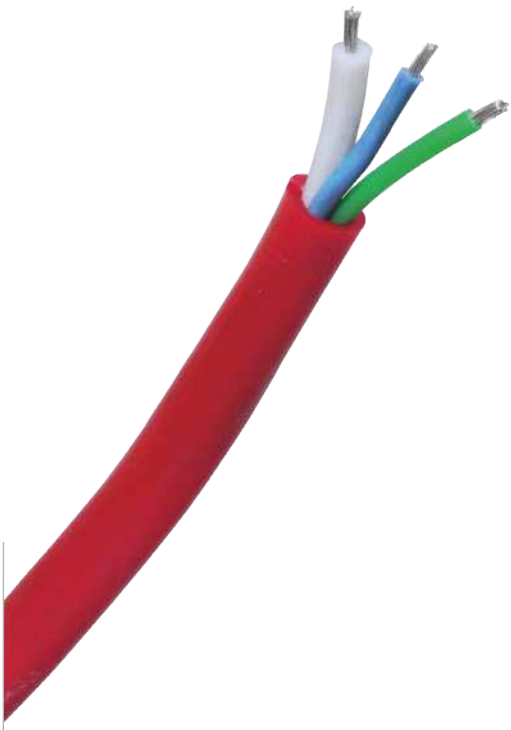
GEEKORE Make SILICON RUBBER insulated cables having excellent abrasion and cut through resistant. Its maximum continuous temperature is 180 deg C. It provides highest flexibility at high temperatures.

Construction:

Insulated Wire: Conductor is bare or annealed tinned copper then insulated by Silicon Rubber for 1000V AC or 450V AC.
Cable: Insulated wires with different color coding twisted together, screened (optionally) by al mylar with drain wire or ATC brading, Sheathed by silicon.

Technical Data :

Temperature Range : -10°C to +180°C for fixed installation
HV test : 3.0 kV for 5 minutes for 1kV rating and 2 kV, 1minute for 450V wire
Min Bending Radius : 7.5 x cable dia
Referenced specification is IS 9968:1988 and IEC 60245-3



Primary wire table:

American Wire Gauge (AWG)	Conductor configuration	Cross Sectional area	Outer dia (mm)	
			450V	1000V
10/37X26	37x0.4	4.70	4.80	4.80
12/60X30	60x0.25	3.00	4.25	4.25
12/37X28	37x0.32	3.00	3.84	4.24
12/19X25	19x0.45	3.10	3.65	4.25
14/37X30	37x0.25	1.90	3.15	3.75
14/19X27	19x0.36	1.90	3.20	3.80
15/37X31	37x0.23	1.50	2.98	3.57
15/19X28	19x0.32	1.50	3.00	3.60
16/37X32	37x0.2	1.20	2.60	3.40
16/19X29	19x0.29	1.20	2.65	3.45
16/1	1x1.29	1.10	2.49	3.29
18/19X30	19x0.25	0.96	2.45	3.25
18/7X26	7x0.4	0.90	2.40	3.20
18/1	1x1.02	0.87	2.20	3.02
20/19X32	19x0.20	0.61	2.20	3.00
20/7X28	7x0.32	0.56	2.16	2.96
20/1	1x0.81	0.52	2.01	2.80
22/19X34	19x0.16	0.38	2.00	2.80
22/7X30	7x0.25	0.35	1.95	2.75

While ordering / enquire, please specify:

1. Wire size, plating material and rated voltage,
2. Number of cores or pairs and shielding,
3. Any other specific or critical parameter and
4. Color code, if different

Fluoro Polymer Section

Why Fluoropolymer?

- Compact in size. Suitable for light weight application.
- Suitable for wide range of temperature (-260°C to +260°C)
- Having high insulation resistance.
- Inert to most chemical and fluid even at high temperature and pressure.
- Excellent flex life

Mention Required Color		
Insulation Name	Process	Temperature Range
ETFE	Extrusion	-100°C to 150°C
PTFE	Spirally Wrapped, Heat Fused	-200°C to 260°C
FEP	Extrusion	-200°C to 200°C
PFA	Extrusion	-200°C to 260°C

Extruded FEP Insulated Wire as per MIL W 16878 / NEMA HP4 / JSS 51034

CONDUCTOR						MIL-W-16878/13 TYPE-KT 250 V (RMS)			MIL-W-16878/13 TYPE-K 600 V (RMS)			MIL-W-16878/13 TYPE-KK 1000 V (RMS)		
		STRAND				DIA. OVER INSULATION			DIA. OVER INSULATION			DIA. OVER INSULATION		
AWG	NO. OF STRANDS	SIZE AWG	DIA.	COND. DIAM. (NOM.)	CS AREA (NOM.)	MIN.	MAX.	PART NO.	MIN.	MAX.	PART NO.	MIN.	MAX.	PART NO.
28	7	36	0.13	0.38	0.11	0.64	0.74	7F36SKT	0.79	0.99	7F36SK	1.04	1.25	7F36KK
26	7	34	0.16	0.48	0.18	0.74	0.84	7F34SKT	0.89	1.09	7F34SK	1.14	1.35	7F34KK
26	19	38	0.10	0.48	0.20	0.74	0.84	19F38SKT	0.89	1.09	19F38SK	1.14	1.35	19F38KK
26	1	26	0.40	0.40	0.16	0.66	0.76	1F26SKT	0.81	1.02	1F26SK	1.07	1.27	1F26KK
24	7	32	0.20	0.61	0.27	0.86	0.97	7F32SKT	1.02	1.22	7F32SK	1.27	1.47	7F32KK
24	19	36	0.13	0.61	0.31	0.86	0.97	19F36SKT	1.02	1.22	19F36SK	1.27	1.47	19F36KK
24	1	24	0.51	0.51	0.26	0.76	0.86	1F24SKT	0.91	1.12	1F24SK	1.17	1.37	1F24KK
22	7	30	0.25	0.76	0.35	1.02	1.12	7F30SKT	1.17	1.37	7F30SK	1.42	1.62	7F30KK
22	19	34	0.16	0.76	0.37	1.02	1.12	19F34SKT	1.17	1.37	19F34SK	1.42	1.62	19F34KK
22	1	22	0.64	0.64	0.32	0.89	1.02	1F22SKT	1.37	1.68	1F22SK	1.30	1.52	1F22KK
20	7	28	0.32	0.96	0.56	1.22	1.32	7F28SKT	1.37	1.58	7F28SK	1.63	1.83	7F28KK
20	19	32	0.20	0.96	0.61	1.22	1.32	19F32SKT	1.37	1.58	19F32SK	1.63	1.83	19F32KK
20	1	20	0.81	0.81	0.52	1.07	1.17	1F20SKT	1.22	1.42	1F20SK	1.47	1.67	1F20KK
18	7	26	0.40	1.20	0.90	--	--	--	1.63	1.88	7F26SK	1.88	2.13	7F26KK
18	19	30	0.25	1.27	0.96	--	--	--	1.63	1.88	19F30SK	1.88	2.13	19F30KK
18	1	18	1.02	1.02	0.81	--	--	--	1.42	1.67	1F18SK	1.67	1.96	1F18KK
16	19	29	0.29	1.34	1.24	--	--	--	1.85	2.21	19F29SK	2.11	2.41	19F29KK
16	37	32	0.20	1.42	1.20	--	--	--	1.93	2.05	16F37SK*	2.20	2.50	16F37KK
16	26	30	0.25	1.45	1.32	--	--	--	1.93	2.05	26F30SK*	2.20	2.50	26F30KK
16	1	16	1.29	1.29	1.30	--	--	--	1.80	1.90	1F16SK	1.95	2.26	1F16KK
14	19	27	0.36	1.80	1.94	--	--	--	2.24	2.59	19F27SK	2.49	2.90	19F27KK
14	41	30	0.25	1.78	2.07	--	--	--	2.29	2.40	41F30SK*	2.59	3.00	41F30KK
14	1	14	1.63	1.63	2.08	--	--	--	2.14	2.24	1F14SK	2.33	2.44	1F14KK
12	19	25	0.46	2.28	3.09	--	--	--	2.72	3.07	19F25SK	2.97	3.38	19F25KK
12	37	28	0.32	2.24	2.97	--	--	--	2.72	3.07	37F28SK	2.97	3.38	37F28KK
12	65	30	0.25	2.26	3.29	--	--	--	2.72	3.07	65F30SK	3.02	3.43	65F30KK
10	37	26	0.40	2.83	4.74	--	--	--	3.23	3.58	37F26SK	3.48	3.89	37F26KK
10	105	30	0.25	3.22	5.32	--	--	--	--	--	--	3.71	4.11	105F30KK
8	133	29	0.29	4.09	8.72	--	--	--	--	--	--	5.06	5.56	133F29KK
6	133	27	0.36	5.13	13.6	--	--	--	--	--	--	7.26	7.64	133F27KK

* Sizes not covered in JSS/ MIL specifications
+ For Nickel plated Copper replace 'S' by 'N', e.g., AWG 12/19/25 NPC, type K is '19F25NK'
+ Mention required color

Wrapped PTFE Insulated Wire as per MIL W 16878 / NEMA HP3 / JSS 51034

CONDUCTOR						MIL-W-16878/6 TYPE-ET 250 V (RMS)			MIL-W-16878/4 TYPE-E 600 V (RMS)			MIL-W-16878/5 TYPE-EE 1000 V (RMS)		
		STRAND				DIA. OVER INSULATION			DIA. OVER INSULATION			DIA. OVER INSULATION		
AWG	NO. OF STRANDS	SIZE AWG	DIA.	COND. DIA. (NOM.)	CS AREA (NOM.)	MIN.	MAX.	PART NO.	MIN.	MAX.	PART NO.	MIN.	MAX.	PART NO.
28	7	36	0.13	0.38	0.11	0.64	0.74	7H36SET	0.79	0.99	7H36SE	1.04	1.25	7H36SEE
26	7	34	0.16	0.48	0.18	0.74	0.84	7H34SET	0.89	1.09	7H34SE	1.14	1.35	7H34SEE
26	19	38	0.10	0.48	0.20	0.74	0.84	19H38SET	0.89	1.09	19H38SE	1.14	1.35	19H38SEE
26	1	26	0.40	0.40	0.16	0.66	0.76	1H26SET	0.81	1.02	1H26SE	1.07	1.27	1H26SEE
24	7	32	0.20	0.61	0.27	0.86	0.97	7H32SET	1.02	1.22	7H32SE	1.27	1.47	7H32SEE
24	19	36	0.13	0.61	0.31	0.86	0.97	19H36SET	1.02	1.22	19H36SE	1.27	1.47	19H36SEE
24	1	24	0.51	0.51	0.26	0.76	0.86	1H24SET	0.91	1.12	1H24SE	1.17	1.37	1H24SEE
22	7	30	0.25	0.76	0.35	1.02	1.12	7H30SET	1.17	1.37	7H30SE	1.42	1.62	7H30SEE
22	19	34	0.16	0.76	0.37	1.02	1.12	19H34SET	1.17	1.37	19H34SE	1.42	1.62	19H34SEE
22	1	22	0.64	0.64	0.32	0.89	1.02	1H22SET	1.04	1.27	1H22SE	1.30	1.52	1H22SEE
20	7	28	0.32	0.96	0.56	1.22	1.32	7H28SET	1.37	1.58	7H28SE	1.63	1.83	7H28SEE
20	19	32	0.20	0.96	0.61	1.22	1.32	19H32SET	1.37	1.58	19H32SE	1.63	1.83	19H32SEE
20	1	20	0.81	0.81	0.52	1.07	1.17	1H20SET	1.22	1.42	1H20SE	1.47	1.67	1H20SEE
18	7	26	0.40	1.20	0.90	---	---	---	1.63	1.88	7H26SE	1.88	2.13	7H26SEE
18	19	30	0.25	1.27	0.96	---	---	---	1.63	1.88	19H30SE	1.88	2.13	19H30SEE
18	1	18	1.02	1.02	0.81	---	---	---	1.42	1.67	1H18SE	1.67	1.96	1H18SEE
16	19	29	0.29	1.34	1.24	---	---	---	1.85	2.21	19H29SE	2.11	2.41	19H29SEE
16	37	32	0.20	1.42	1.20	---	---	---	1.93	2.05	16H37SE*	2.20	2.50	16H37SEE
16	26	30	0.25	1.45	1.32	---	---	---	1.93	2.05	26H30SE*	2.20	2.50	26H30SEE
16	1	16	1.29	1.29	1.30	---	---	---	1.80	1.90	1H16SE	1.95	2.26	1H16SEE
14	19	27	0.36	1.80	1.94	---	---	---	2.24	2.59	19H27SE	2.49	2.90	19H27SEE
14	41	30	0.25	1.78	2.07	---	---	---	2.29	2.40	41H30SE*	2.59	3.00	41H30SEE
14	1	14	1.63	1.63	2.08	---	---	---	2.14	2.24	1H14SE	2.33	2.44	1H14SEE
12	19	25	0.46	2.28	3.09	---	---	---	2.72	3.07	19H25SE	2.97	3.38	19H25SEE
12	37	28	0.32	2.24	2.97	---	---	---	2.72	3.07	37H28SE	2.97	3.38	37H28SEE
12	65	30	0.25	2.26	3.29	---	---	---	2.72	3.07	65H30SE	3.02	3.43	65H30SEE
10	37	26	0.40	2.83	4.74	---	---	---	3.23	3.58	37H26SE	3.48	3.89	37H26SEE
10	105	30	0.25	3.22	5.32	---	---	---	---	---	---	3.71	4.11	105H30SEE
8	133	29	0.29	4.09	8.72	---	---	---	---	---	---	5.06	5.56	133H29SEE
6	133	27	0.36	5.13	13.6	---	---	---	---	---	---	7.26	7.64	133H27SEE

* Sizes not covered in JSS/ MIL specifications

\+ For Nickel plated Copper replace 'S' by 'N', e.g., AWG 12/19/25 NPC, type E is '19H25NE'

\+ Mention required color

Extruded ETFE Insulated Wire as per MIL-W-22759

CONDUCTOR						MIL-W-22759/11 600 V (RMS)			MIL-W-22759/9 1000 V (RMS)		
		STRAND				DIA. OVER INSULATION			DIA. OVER INSULATION		
AWG	NO. OF STRANDS	SIZE AWG	DIA.	COND. DIA. (NOM.)	CS AREA (NOM.)	MIN.	MAX.	PART NO.	MIN.	MAX.	PART NO.
28	7	36	0.13	0.38	0.11	0.79	0.99	7E36A	1.04	1.15	7E36B
26	7	34	0.16	0.48	0.18	0.89	1.09	7E34A	1.14	1.35	7E34B
26	19	38	0.10	0.48	0.20	0.89	1.09	19E38A	1.14	1.35	19E38B
26	1	26	0.40	0.40	0.16	0.81	1.02	1E26A	1.07	1.27	1E26B
24	7	32	0.20	0.61	0.27	1.02	1.22	7E32A	1.27	1.47	7E32B
24	19	36	0.13	0.61	0.31	1.02	1.22	19E36A	1.27	1.47	19E36B
24	1	24	0.51	0.51	0.26	0.91	1.12	1E24A	1.17	1.37	1E24B
22	7	30	0.25	0.76	0.35	1.17	1.37	7E30A	1.42	1.62	7E30B
22	19	34	0.16	0.76	0.37	1.17	1.37	19E34A	1.42	1.62	19E34B
22	1	22	0.64	0.64	0.32	1.04	1.27	1E22A	1.30	1.52	1E22B
20	7	28	0.32	0.96	0.56	1.37	1.58	7E28A	1.63	1.83	7E28B
20	19	32	0.20	0.96	0.61	1.37	1.58	19E32A	1.63	1.83	19E32B
20	1	20	0.81	0.81	0.52	1.22	1.42	1E20A	1.47	1.67	1E20B
18	7	26	0.40	1.20	0.90	1.63	1.88	7E26A	1.88	2.13	7E26B
18	19	30	0.25	1.27	0.96	1.63	1.88	19E30A	1.88	2.13	19E30B
18	1	18	1.02	1.02	0.81	1.42	1.67	1E18A	1.67	1.96	1E18B
16	19	29	0.29	1.34	1.24	1.85	2.21	19E29A	2.11	2.41	19E29B
16	37	32	0.20	1.42	1.20	1.93	2.05	16E37A	2.20	2.50	16E37B
16	26	30	0.25	1.45	1.32	1.93	2.05	26E30A	2.20	2.50	26E30B
16	1	16	1.29	1.29	1.30	1.80	1.90	1E16A	1.95	2.26	1E16B
14	19	27	0.36	1.80	1.94	2.24	2.59	19E27A	2.49	2.90	19E27B
14	41	30	0.25	1.78	2.07	2.29	2.40	41E30A	2.59	3.00	41E30B
14	1	14	1.63	1.63	2.08	2.14	2.24	1E14A	2.33	2.44	1E14B
12	19	25	0.46	2.28	3.09	2.72	3.07	19E25A	2.97	3.38	19E25B
12	37	28	0.32	2.24	2.97	2.72	3.07	37E28A	2.97	3.38	37E28B
12	65	30	0.25	2.26	3.29	2.72	3.07	65E30A	3.02	3.43	65E30B
10	37	26	0.40	2.83	4.74	3.23	3.58	37E26A	3.48	3.89	37E26B
10	105	30	0.25	3.22	5.32	---	---	---	3.71	4.11	105E30B
8	133	29	0.29	4.09	8.72	---	---	---	5.06	5.56	133E29B
6	133	27	0.36	5.13	13.6	---	---	---	7.26	7.64	133E27B

+ Mention required color

FEP Insulated Cable for 200°C

Application:

GEEKORE make FEP insulated cables are useful for longer life applications at high temperature upto 200 deg C continuous. Chemically inert to most of the oils, chemicals and gases. It is compact in size and light weight. In fluoropolymer family, it is one of the most economic solution.

Construction:

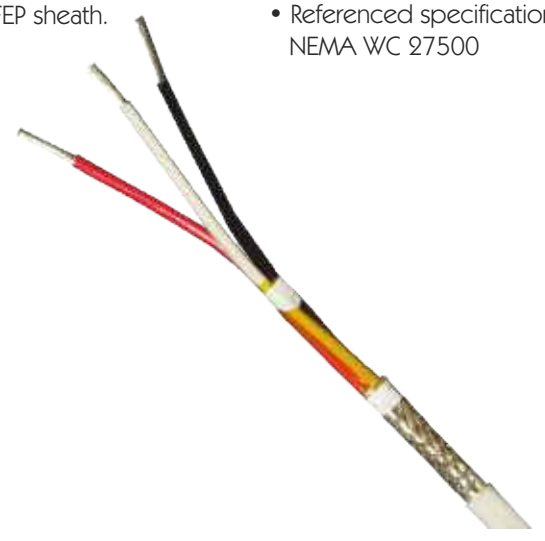
Conductor is silver or nickel plated copper, then insulated by FEP in any of three difference insulation categories like 250V, 600V or 1000V. Cores twisted, isolated by polyimide tape. Shielding by silver plated copper (optionally). And overall FEP sheath.

Technical Data:

Temperature Range: -40°C to +200°C for fixed installation

Rated Voltage	Dielectric Strength	Spark Test Voltage	Insulation thickness (mm)
250V	1.5kV	2.5kV	0.16 mm
600V	2.0kV	3.4kV	0.25 mm
1000V	3.0kV	5.0kV	0.40 mm

- Min Bending Radius: 7.5 x cable dia
- Color coding as per DIN 47100, bi color identification by longitudinal lining of stripe color, jacket color white
- Referenced specification is MIL W 16878, JSS 51034, NEMA WC 27500



UPTO 4 CORES			250 V	600 V	1000 V
AWG SIZE	Strand Dia	Conductor Dia	Nom. Wire Dia		
	(mm)	(mm)	(mm)	(mm)	(mm)
18/19X30	0.254	1.27		1.78	2.01
18/7X26	0.404	1.21		1.72	1.97
18/1	1.020	1.00		1.52	1.80
20/19X32	0.203	1.02	1.37	1.52	1.78
20/7X28	0.320	0.96	1.30	1.48	1.74
20/1	0.813	0.81	1.17	1.31	1.60
22/19X34	0.160	0.80	1.17	1.30	1.56
22/7X30	0.254	0.76	1.14	1.26	1.52
22/1	0.643	0.64	1.00	1.14	1.40
24/19X36	0.127	0.64	1.00	1.14	1.40
24/7X32	0.203	0.61	0.98	1.10	1.37
24/1	0.511	0.51	0.82	1.00	1.27
26/19X38	0.102	0.51	0.80	1.00	1.25
26/7X34	0.160	0.48	0.78	0.98	1.24

UPTO 7 CORES			250 V	600 V	1000 V
AWG SIZE	Strand Dia	Conductor Dia	Nom. Wire Dia		
	(mm)	(mm)	(mm)	(mm)	(mm)
20/19X32	0.203	1.02	1.37	1.52	1.78
20/7X28	0.320	0.96	1.30	1.48	1.74
20/1	0.813	0.81	1.17	1.31	1.60
22/19X34	0.160	0.80	1.17	1.30	1.56
22/7X30	0.254	0.76	1.14	1.26	1.52
22/1	0.643	0.64	1.00	1.14	1.40
24/19X36	0.127	0.64	1.00	1.14	1.40
24/7X32	0.203	0.61	0.98	1.10	1.37
24/1	0.511	0.51	0.82	1.00	1.27
26/19X38	0.102	0.51	0.80	1.00	1.25
26/7X34	0.160	0.48	0.78	0.98	1.24
28/17X36	0.127	0.39	0.69	0.89	1.19

While ordering / enquire, please specify:

1. Wire size, plating material and rated voltage,
2. Number of cores or pairs and shielding,
3. Any other specific or critical parameter and
4. Color code, if different

PFA Insulated Cable for 260°C

Application:

GEEKORE Make PFA insulated cables having excellent resistant against chemicals and solvants. Its maximum continuous temperature is 260 deg C. It provides superior electrical resistance and high voltage property to other nearby polymer.

Construction:

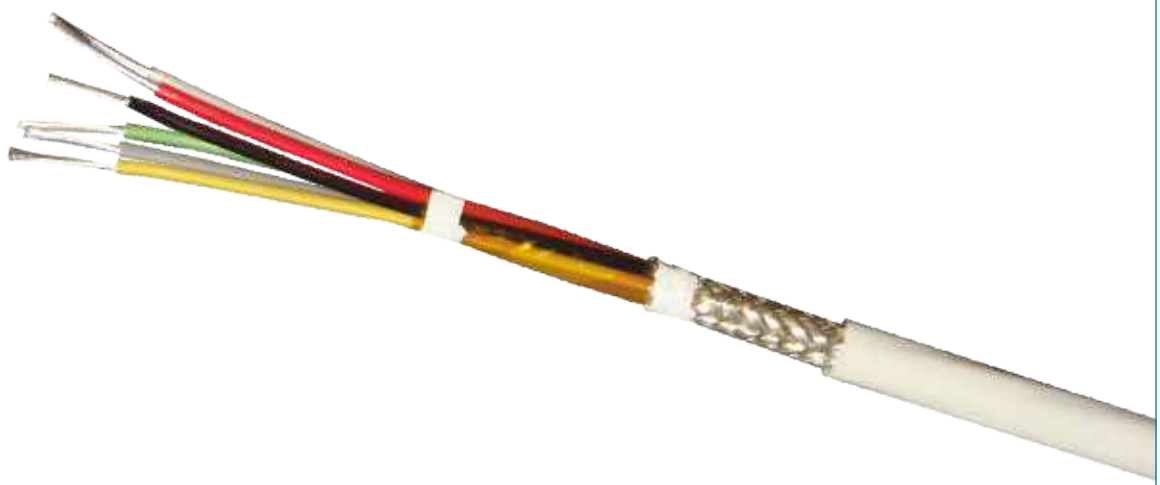
Conductor is silver or nickel plated copper, then insulated by PFA in any of three difference insulation categories like 250V, 600V or 1000V. Cores twisted, isolated by polyimide tape. Shielding by silver plated copper (optionally). And overall PFA sheath.

Technical Data:

Temperature Range: -40°C to +200°C for fixed installation

Rated Voltage	Dielectric Strength	Spark Test Voltage	Insulation thickness (mm)
250V	1.5kV	2.5kV	0.16 mm
600V	2.0kV	3.4kV	0.25 mm
1000V	3.0kV	5.0kV	0.40 mm

- Min Bending Radius: 7.5 x cable dia
- Color coding as per DIN 47100, bi color identification by longitudinal lining of stripe color, jacket color white
- Referenced specification is MIL W 16878, JSS 51034, NEMA WC 27500



UPTO 4 CORES			250 V	600 V	1000 V
AWG SIZE	Strand Dia	Conductor Dia	Nom. Wire Dia		
	(mm)	(mm)	(mm)	(mm)	(mm)
18/19X30	0.254	1.27		1.78	2.01
18/7X26	0.404	1.21		1.72	1.97
18/1	1.020	1.00		1.52	1.80
20/19X32	0.203	1.02	1.37	1.52	1.78
20/7X28	0.320	0.96	1.30	1.48	1.74
20/1	0.813	0.81	1.17	1.31	1.60
22/19X34	0.160	0.80	1.17	1.30	1.56
22/7X30	0.254	0.76	1.14	1.26	1.52
22/1	0.643	0.64	1.00	1.14	1.40
24/19X36	0.127	0.64	1.00	1.14	1.40
24/7X32	0.203	0.61	0.98	1.10	1.37
24/1	0.511	0.51	0.82	1.00	1.27
26/19X38	0.102	0.51	0.80	1.00	1.25
26/7X34	0.160	0.48	0.78	0.98	1.24

UPTO 7 CORES			250 V	600 V	1000 V
AWG SIZE	Strand Dia	Conductor Dia	Nom. Wire Dia		
	(mm)	(mm)	(mm)	(mm)	(mm)
20/19X32	0.203	1.02	1.37	1.52	1.78
20/7X28	0.320	0.96	1.30	1.48	1.74
20/1	0.813	0.81	1.17	1.31	1.60
22/19X34	0.160	0.80	1.17	1.30	1.56
22/7X30	0.254	0.76	1.14	1.26	1.52
22/1	0.643	0.64	1.00	1.14	1.40
24/19X36	0.127	0.64	1.00	1.14	1.40
24/7X32	0.203	0.61	0.98	1.10	1.37
24/1	0.511	0.51	0.82	1.00	1.27
26/19X38	0.102	0.51	0.80	1.00	1.25
26/7X34	0.160	0.48	0.78	0.98	1.24

While ordering / enquire, please specify:

1. Wire size, plating material and rated voltage,
2. Number of cores or pairs and shielding,
3. Any other specific or critical parameter and
4. Color code, if different

Multi Core / Composite Cable

As per JSS 51038

Technical Data:

- Voltage Rating : see table below
- Conductor Size : AWG 32 to AWG 6
- Insulation Resistance : 10000 Mohm x km
- Braiding Coverage : 85% minimum
- Max. Temperature : upto 260 deg C
- Bending Radius : 7.5 x cable dia.
- Color Coding : as per customer requirement

Selection Creteria

a) Conductor Material

Code	Material	Application	Quality Standard
S	Silver plated Copper	Soldered connection	ASTM B 298
N	Nickel plated Copper	Crimped connection	ASTM B 355
T	Tin plated Copper	Soldered connection	IS: 8130-84

b) Insulation Material

Code	Material	Temperature range	Quality Standard
P	PTFE (wrapped)	-200°C to +260°C	Mil W 16878/JSS 51034
F	FEP (extruded)	-100°C to +200°C	Mil W 16878/JSS 51034
E	ETFE (extruded)	-100°C to +150°C	Mil W 22759
A	PFA (extruded)	-200°C to +260°C	ASTM-D3307

c) Voltage Rating

Code	Rated Voltage	Test Voltage (1 minute) At core stage
A	250 V	1.5 kV
B	600 V	2.0 kV
C	1000 V	3.0 kV

d) Core Laying Manner

Code	Manner
C	Core
P	Pair
T	Triad
Q	Quad

e) Screened Material

Code	Material	Applicable with sheath Material
SB	Silver plated Copper braiding	With all sheath materials
NB	Nickel plated Copper braiding	With all sheath materials
TB	Tin plated Copper braiding	All sheaths, Except PTFE
MD	Mylar tape with ATC drain wire	All sheaths, Except PTFE

f) Sheat / jacket Material

Code	Material	Application	Quality standard
PS	PTFE (wrapped)	Higher temperature range +260 deg C	JSS 51038
FS	FEP (extruded)	Higher temperature range +200deg C*	JSS 51038
AS	PFA (extruded)	Higher temperature range +260 deg C*	ASTM-D3307
PU	PUR (extruded)	Highest abrasion resistance + 70 deg C	VDE 0282
PV	FRLS (extruded)	High abrasion resistance + 90 deg C	IS:5831-88

* Maximum cable diameter must be 8 mm

Ordering Code

Example:
6PS20(1932)PBMDPUSS
6 pair AWG 20/19/32 Silver plated Copper conductor, PTFE Insulation, 600 V, screened by al-mylar tape with ATC drain wire, sheath by PUR, SS over braiding

6P –S –20(1932) – P– B – MD – PU-SS**

- Ss Over-braiding
- Sheathing By PUR
- Mylar Tape With ATC Drain Wire 0.5 Sq mm
- Voltage Rating 600 V
- Insulation Material PTFE
- Inner Conductor Size
- Core Conductor Silver Plated cu
- 6 Pairs

** Mention, if required

Heat Resistant Power Cable For Kilns In Steel & Cement Plants

Technical Data:

- Temperature Range : -4°C to +400°C for fixed installation
- Working voltage : 1100 V
- Insulation Resistance : Min 1000 M x km
- Test Voltage : 5 kV AC
- Min Bending Radius : 7.5 x cable dia
- Environmental properties : Resistant to any chemical oil, water proof cable
- Sheath Color : Outer PTFE sheath black

Construction:

- Conductor : Stranded annealed bare Copper per DIN VDE 0295 cl.5 or IS 8130-1984
- Core Insulation : PTFE
- Twisting : 3 or 4 core planetary twisted
- Isolator : Kapton
- Outer sheath : PTFE / Mica taped / Fibre glass or Asbestos
- Overbraiding : Stainless Steel braiding

2 Core Cable

Cable Description	Outer Dia (mm)
2C x 25 sq mm	22
2C x 16 sq mm	18
2C x 10 sq mm	12
2C x 6 sq mm	11
2C x 4 sq mm	10
2C x 2.5 sq m	8
2C x 1.5 sq m	7

3 Core Cable

Cable Description	Outer Dia (mm)
3C x 25 sq mm	26
3C x 16 sq mm	20
3C x 10 sq mm	14
3C x 6 sq mm	12
3C x 4 sq mm	11
3C x 2.5 sq mm	9
3C x 1.5 sq mm	7.5

4 Core Cable

Cable Description	Outer Dia (mm)
4C x 25 sq mm	29
4C x 16 sq mm	22
4C x 10 sq mm	15
4C x 6 sq mm	13
4C x 4 sq mm	12
4C x 2.5 sq mm	10
4C x 1.5 sq mm	8.5

High Voltage Leads for Current / Power Transformer

5 kV AC Application

Technical Data:

- Voltage Rating : 5 kV AC
- High Voltage Testing : 11 kV AC for 1 second and 6.5 kV for 5 minutes
- Oil Compatibility (tan delta) : Tan Delta 0.021
- Insulation resistance : More than 10000 Mohm x km
- Max. Temperature : Upto 260 deg C for PTFE and 150 deg C for ETFE
- Bending Radius : 7.5 x cable dia
- Environment Properties : Resistant to transformer oil, chemical or ultra violet rays
- Insulation Color : As per customer requirement

Construction:

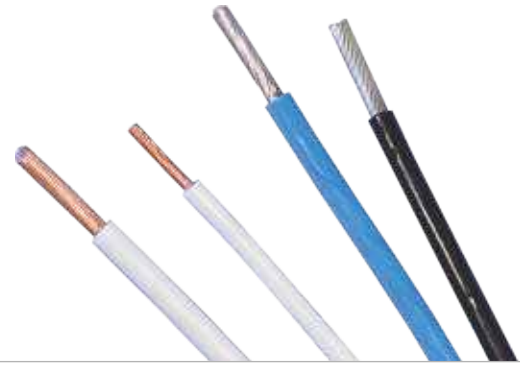
a) Conductor

ATC	Annealed Tinned Copper
ABC	Annealed bare Copper
NPC	Nickel platted Copper

b) Insulation

PTFE	Polytetrafluoroethylene
ETFE / ECTFE	Ethylenetetrafluoroethylene* / Ethylenechlorotrifluoroethylene*

Cross Section Area (sq mm)	Conductor Construction	Max Conductor Resistance (ohm / mtr)	Outer Diameter max. (mm)	
			PTFE	ETFE
10.0	142 x 0.3 mm	2.0	6.3	.....
10.0	133 x 0.31 mm	2.0	6.3	5.4
6.0	84 x 0.3 mm	3.4	5.3	.....
4.65	37 x 0.4 mm	4.1	4.3	4.0
4.0	56 x 0.3 mm	4.8	4.2	.....
4.0	37 x 0.37 mm	4.8	4.2	3.45
2.5	50 x 0.25 mm	7.7	3.5	.....
2.5	37 x 0.29 mm	7.7	3.4	2.8
1.94	19 x 0.36 mm	9.2	3.3	2.5
1.5	49 x 0.2 mm	13	2.8	2.3
1.5	37 x 0.23 mm	13	2.8	2.3



Heating Wires and Cables

Enjoy Comfort Zone from GEEKORE

- Exhibit more accurate control
- Lower maintenance and operating cost
- Time saving during start up
- Safety guidelines as per BS EN 6033-1:2002

Under Tile Heating (UTH) Element

Technical Data:

- Supply Voltage 230 V
- Temperature range -200 deg C to +200 deg C
- Maximum output: 15 W/mtr
- Superior flexibility
- Flame retardant, inert to spark, any chemical or acid
- Element diameter : 2.2 mm (max)

Construction:

- Conductor : Single/Multi-strand alloy, Cu, SS
- Insulation : Fluoropolymer
- Shielding : Annealed Tinned copper braid
- Jacket : Fluoropolymer

Part No.	Wattage (W)	Length (mtr)	Resistance (ohm/mtr)	Jacket Color
UTH015	150	15	23.51	Wh/bk
UTH020	200	20	13.23	Wh/br
UTH025	250	25	8.46	Wh/rd
UTH030	300	30	6.72	Blue
UTH040	400	40	3.31	Wh/Yw
UTH050	500	50	2.55	Yellow
UTH060	600	60	1.47	Brown
UTH075	750	75	1.20	Green
UTH100	1000	100	0.63	Red
UTH125	1250	125	0.34	Grey
UTH150	1500	150	0.29	Brown
UTH175	1750	175	0.17	Orange
UTH200	2000	200	0.16	Black
UTH250	2500	250	0.10	Violet
UTH300	3000	300	0.07	White

In Concrete Heating (ICH) Element

Technical Data:

- Supply Voltage 230 V
- Temperature range -20 deg C to +90 deg C
- Linear Wattage: 30 Watt / mtr
- Superior flexibility
- Flame retardant, Low smoke
- Element diameter : 5.0 mm (max)
- Printing: e.g. "GEEKORE ICH 200W, 2012"

Construction:

- **Conductor** : Stranded alloy
- **Insulation** : XLPE or Additional layer of PTFE in the innermost layer for superior performance and snow melting application
- **Braiding** : Annealed bare copper
- **Sheath** : HRPVC / HFFR
- **Color coding** : Orange for single core ICH and Violet for twin core cable ICH

Single Core IN Concrete Heaters (ICH)

Part No.	Wattage (W) @ 230 v	Element Length (mtr)	Resistance (ohm/mtr)
ICH030S	300	10	17.63
ICH040S	400	13	9.92
ICH050S	500	17	6.35
ICH075S	750	25	2.82
ICH090S	900	30	1.96
ICH105S	1050	35	1.44
ICH120S	1200	40	1.10
ICH150S	1500	50	0.70
ICH180S	1800	60	0.49
ICH250S	2500	83	0.25
ICH300S	3000	100	0.18
ICH450S	4500	150	0.08
ICH550S	5500	183	0.05
ICH600S	6000	200	0.04

Twin Core* IN Concrete Heaters (ICH)

Part No.	Wattage (W) @ 230 v	Element Length (mtr)	Resistance (ohm/mtr)
ICH030T	300	10	8.81
ICH040T	400	13	4.96
ICH050T	500	17	3.18
ICH075T	750	25	1.41
ICH090T	900	30	0.98
ICH105T	1050	35	0.72
ICH120T	1200	40	0.55
ICH150T	1500	50	0.35
ICH180T	1800	60	0.25
ICH250T	2500	83	0.13
ICH300T	3000	100	0.09
ICH450T	4500	150	0.04
ICH550T	5500	183	0.03
ICH600T	6000	200	0.02

Under Carpet Heating (UCH) Element

Technical Data:

- Supply voltage 230 V
- Temperature range -200 deg C to +200 deg C
- Maximum output: 15 W/mtr
- Superior flexibility
- Flame retardant, inert to spark, any chemical or acid
- Element diameter : 1.5 mm (max)

Construction:

- Conductor : Single/Multi-strand alloy, Cu, SS
- Insulation : Fluoropolymer

Part No.	Wattage (W)	Length (mtr)	Resistance (ohm/mtr)	Jacket Color
UCH015	150	15	23.51	Wh/bk
UCH020	200	20	13.23	Wh/br
UCH025	250	25	8.46	Wh/rd
UCH030	300	30	6.72	Blue
UCH040	400	40	3.31	Wh/Yw
UCH050	500	50	2.55	Yellow
UCH060	600	60	1.47	Brown
UCH075	750	75	1.20	Green
UCH100	1000	100	0.63	Red
UCH125	1250	125	0.34	Grey
UCH150	1500	150	0.29	Brown
UCH175	1750	175	0.17	Orange
UCH200	2000	200	0.16	Black
UCH250	2500	250	0.10	Violet
UCH300	3000	300	0.07	White

Heating Mats

Technical Data:

- Twin core element; wattage 150, 200 Watt per Sq.mtr; overall thickness 3.0 mm max.
- Mat width 0.5 mtr
- Mesh size 10x10 or 20x20
- Spacing between the cables as per customer specs.

Heating Mat (200 W / sq mtr)

Part No.	Size of Mat Sq meter	Wattage	Element Length (mtr)	Element Resistance (ohm)
GKCZ-200-1.0M2	1.0	200	12.50	264.50
GKCZ-200-1.5M2	1.5	300	18.75	176.25
GKCZ-200-2.0M2	2.0	400	25.00	132.25
GKCZ-200-2.5M2	2.5	500	31.25	105.63
GKCZ-200-3.0M2	3.0	600	37.50	88.13
GKCZ-200-3.5M2	3.5	700	43.75	75.25
GKCZ-200-4.0M2	4.0	800	50.00	66.00
GKCZ-200-4.5M2	4.5	900	56.25	58.78
GKCZ-200-5.0M2	5.0	1000	62.50	53.13
GKCZ-200-6.0M2	6.0	1200	75.00	44.25
GKCZ-200-7.0M2	7.0	1400	87.50	37.63
GKCZ-200-8.0M2	8.0	1600	100.00	33.00
GKCZ-200-9.0M2	9.0	1800	112. 50	29.25
GKCZ-200-10.0M2	10.0	2000	125.00	26.38
GKCZ-200-11.0M2	11.0	2200	137.50	24.06
GKCZ-200-12.0M2	12.0	2400	150.00	22.50

Heating Mat (150 W / sq mtr)

Part No.	Size of Mat Sq meter	Wattage	Element Length (mtr)	Element Resistance (ohm)
GKCZ-150-1.0M2	1.0	150	12.50	352.50
GKCZ-150-1.5M2	1.5	225	18.75	234.38
GKCZ-150-2.0M2	2.0	300	25.00	141.00
GKCZ-150-2.5M2	2.5	375	31.25	140.94
GKCZ-150-3.0M2	3.0	450	37.50	117.38
GKCZ-150-3.5M2	3.5	525	43.75	100.63
GKCZ-150-4.0M2	4.0	600	50.00	88.00
GKCZ-150-4.5M2	4.5	675	56.25	78.19
GKCZ-150-5.0M2	5.0	750	62.50	70.63
GKCZ-150-6.0M2	6.0	900	75.00	58.50
GKCZ-150-7.0M2	7.0	1050	87.50	50.31
GKCZ-150-8.0M2	8.0	1200	100.00	44.00
GKCZ-150-9.0M2	9.0	1350	112. 50	39.38
GKCZ-150-10.0M2	10.0	1500	125.00	35.00
GKCZ-150-11.0M2	11.0	1650	137.50	32.04
GKCZ-150-12.0M2	12.0	1800	150.00	29.25

Cables for Special / customized Application:

Low wattage heating element for mirror antifogging

Low wattage heating element for door antifreezing

Low wattage heating element for towel rail heater

Heating elements for snow melting

Certificates:

CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OF

G.K. Enterprises Pvt.Ltd.

Unit I: C-7, Sector 58, Noida – 201301, India
Unit II: C-6, Sector 65, Noida – 201301, India

Has been assessed and registered as complying with the requirements of the International Standard shown above for the following Goods and Services. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organisation.

For Design, Manufacturing and Marketing of Submersible Wires and Cables; Lt Power Cables; Control Cables; Signal and Instrumentation Cables; High Temperature Teflon Insulated Wires, Cables and Sleeves; Special Wires and Cables for specific applications

Registration Number: QAC3890/3174
Originally Certified On: 01Jan2004
Registration Date: 19/Dec/2011
Expiry Date: 31/May/2013
Serial Number: N0105

ISC Pty Ltd., Unit 2/10 Gladstone Road, Castle Hill NSW 2154, Sydney, Australia.

This certificate is valid till 31/May/2013 on the condition that audits are conducted and paid for as per the Certification Agreement. Should this condition not be met, cancellation procedures will be initiated and the client will be removed from the JAS-ANZ register. This Certificate remains the property of International Standards Certifications Pty Ltd and must be returned upon request. It must not be altered in any way. Intentional misuse of this certificate will result in cancellation without prior notification.

Certificates can be checked through certcheck@isc-worldwide.com

ISO CERTIFICATE

Earlier Approval
Number 4471 Year 2008

Certificate No. : 4652
Date of Issue : 01 JAN 2012
Date of Expiry : 01 JAN 2015

GOVERNMENT OF INDIA
Ministry Of Defence
ELECTRONIC COMPONENTS STANDARDISATION ORGANISATION (LCSO)
QUALIFICATION APPROVAL
(UNDER THE PROVISIONS OF JSS 5999-101)

Grant of this Approval confirms the competence of

G K ENTERPRISES (P).LTD.
C-6, Sector- 65
NOIDA (U.P.) - 201301

to manufacture the component(s) described below :

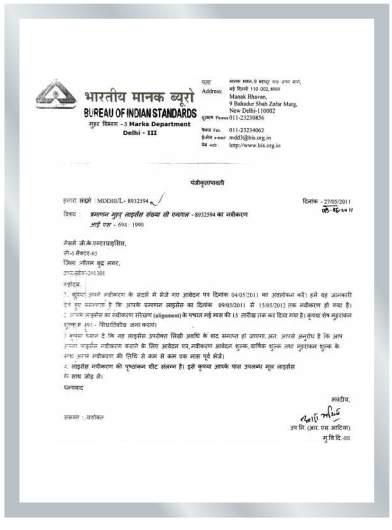
1. Component : Wires, Electrical, Insulated, High Temperature
2. Manufacturer's Code : Sl. Nos. 1 to 134 as in addendum No.1 (134 codes)
3. Joint Services Specification : JSS 51034
4. Style Reference : Sl. Nos. 1 to 134 as in addendum No.1 (134 styles)
5. Range : Insulation Colour : Single colour range in each style, as per Table 22 of JSS.
6. JSS 50101 Severities
   - Temperature : T 65/200
   - Damp Heat : Not applicable
   - Air Pressure (Low) : Not applicable
   - Acceleration (Steady state) : Not applicable
   - Impact (Shock) : Not applicable
   - Vibration : Not applicable
7. Special features : Insulator : PTFE
   Thickness of Coating on conductors - Silver : 1.0 µm (min.), Nickel : 1.25 µm (min.).

(N RAVIBHUSHAN)
AGM
BEL, BANGALORE
Chairman
LCSO Panel

(A BALAJI)
Scientist 'F'
Officer-in-Charge, LCSO
Defence Research and Development Organisation
C V Raman Nagar, BANGALORE - 560 093
For Electronics Standardisation Sub-Committee

Place : BANGALORE
Date :

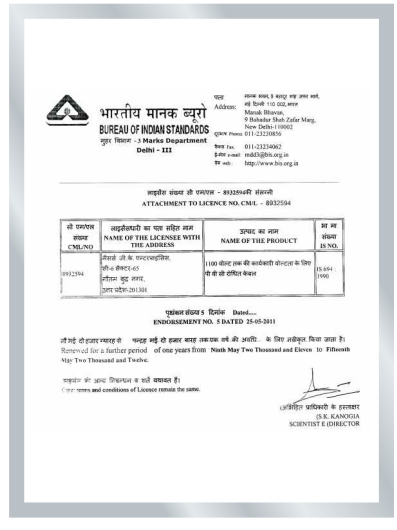
LCSO



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मुख्य विभाग - 3 Marks Department
Delhi - III

पावती/पहचानी

IS 694-90



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मुख्य विभाग - 3 Marks Department
Delhi - III

लाइसेंस संख्या सी एम/एल - 8932594वीं संलग्नी
ATTACHMENT TO LICENCE NO. CM/L - 8932594

सी एम/एल संख्या CML/NO	लाइसेंसधारी का नाम सहित पता NAME OF THE LICENSEE WITH THE ADDRESS	उत्पाद का नाम NAME OF THE PRODUCT	भा मा संख्या IS NO.
8932594	मैसर्स जी के एन्टरप्राइजिस, सी-6 सैक्टर-65 सौरम बुद्ध नगर, उत्तर प्रदेश-201301	1100 वोल्ट तक की कार्यकारी वोल्टता के लिए पी वी सी इंसुलेटेड केबल	IS 694 : 1990

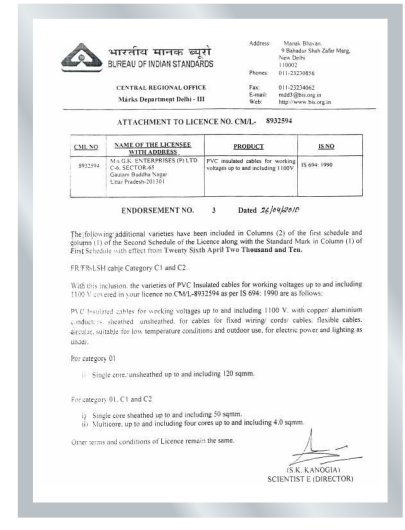
पूर्वांकन संख्या 5 दिनांक Dated.....
ENDORSEMENT NO. 5 DATED 25-05-2011

नौवीं मई दो हजार ग्यारह से पन्द्रह मई दो हजार बारह तक एक वर्ष की अवधि के लिए नवीकृत किया जाता है।
Renewed for a further period of one years from Ninth May Two Thousand and Eleven to Fifteenth May Two Thousand and Twelve.

लाइसेंस की अन्य नियमावली व शर्तें यथावत हैं।
Other terms and conditions of Licence remain the same.

(S.K. KANOGIA)
SCIENTIST E (DIRECTOR)

IS 694-90



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

CENTRAL REGIONAL OFFICE
Marks Departmept Delhi - III

ATTACHMENT TO LICENCE NO. CM/L- 8932594

CML NO	NAME OF THE LICENSEE WITH ADDRESS	PRODUCT	IS NO
8932594	M/s G.K. ENTERPRISES (P) LTD C-6, SECTOR-65 Gautam Buddha Nagar Uttar Pradesh-201301	PVC insulated cables for working voltages up to and including 1100V	IS 694 : 1990

ENDORSEMENT NO. 3 Dated 25/05/2011

The following additional varieties have been included in Columns (2) of the first schedule and columns (1) of the Second Schedule of the Licence along with the Standard Mark in Column (1) of First Schedule with effect from Twenty Sixth April Two Thousand and Ten.

FR/FB-LSH cable Category C1 and C2.

With this inclusion, the varieties of PVC Insulated cables for working voltages up to and including 1100 V covered in your licence no CM/L-8932594 as per IS 694: 1990 are as follows:

PVC Insulated cables for working voltages up to and including 1100 V, with copper/ aluminium conductors, sheathed/ unsheathed, for cables for fixed wiring/ cords/ cables, flexible cables, circular, suitable for low temperature conditions and outdoor use, for electric power and lighting as under.

For category 01

i) Single core/ unsheathed up to and including 120 sqmm.

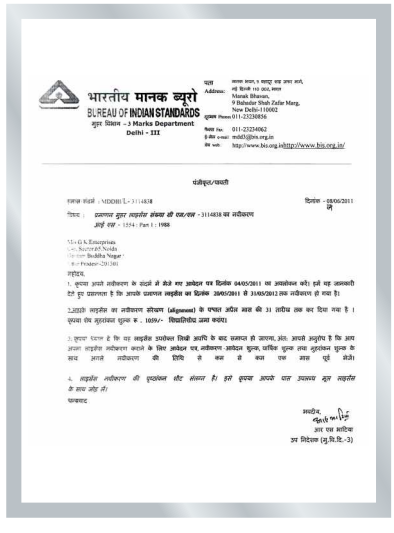
For category 01, C1 and C2

i) Single core sheathed up to and including 50 sqmm.
ii) Multicore, up to and including four cores up to and including 4.0 sqmm.

Other terms and conditions of Licence remain the same.

(S.K. KANOGIA)
SCIENTIST E (DIRECTOR)

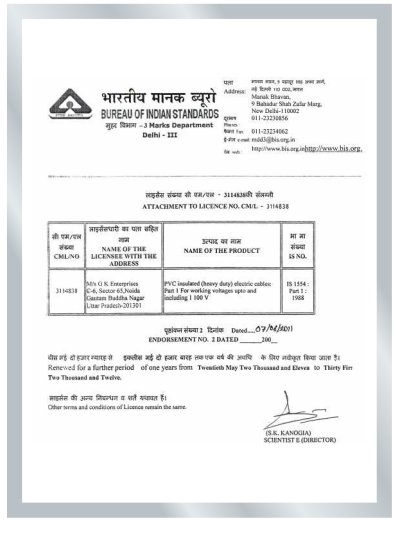
IS 694-90



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मुख्य विभाग - 3 Marks Department
Delhi - III

पंजीकृत/पावती

IS 1554-84



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मुख्य विभाग - 3 Marks Department
Delhi - III

लाइसेंस संख्या सी एम/एल - 3114838वीं संलग्नी
ATTACHMENT TO LICENCE NO. CM/L - 3114838

सी एम/एल संख्या CML/NO	लाइसेंसधारी का नाम सहित पता NAME OF THE LICENSEE WITH THE ADDRESS	उत्पाद का नाम NAME OF THE PRODUCT	भा मा संख्या IS NO.
3114838	M/s G.K. Enterprises C-6, Sector-65, Noida Gautam Buddha Nagar Uttar Pradesh-201301	PVC insulated (heavy duty) electric cables: Part I For working voltages upto and including 1 100 V	IS 1554 : Part 1 : 1988

पूर्वांकन संख्या 2 दिनांक Dated....07/06/2011
ENDORSEMENT NO. 2 DATED _____200__

नौवीं मई दो हजार ग्यारह से इक्कीस मई दो हजार बारह तक एक वर्ष की अवधि के लिए नवीकृत किया जाता है।
Renewed for a further period of one years from Twentieth May Two Thousand and Eleven to Thirty Firr Two Thousand and Twelve.

लाइसेंस की अन्य नियमावली व शर्तें यथावत हैं।
Other terms and conditions of Licence remain the same.

(S.K. KANOGIA)
SCIENTIST E (DIRECTOR)

IS 1554-84

GEEKORE®

G. K. Enterprises (P) Ltd.

An ISO 9001 : 2008 Certified Company

Unit I - C-7, Sector 58, Noida -201301 (U.P.), (India)

Unit II - C-6, Sector 65, Noida -201301 (U.P.), (India)

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