



KIRAN

INSULATING BOUNDARIES

DELIVERING
QUALITY
THROUGH
EXPERIENCE,
KNOWLEDGE
AND
EXPERTISE

**AUTOMOTIVE
SOLUTIONS**



Since
1974



When it comes to the Best Quality Protection Products for Your Automotive, Electrical, Mechanical, and Thermal Applications, your search ends with **KIRAN**. With over 49 years of experience and expertise in the industry under the **KIRAN** brand. We are among the biggest producers in India and Asia.










Our products meet multiple international quality standards, including **UL, IEC, NEMA, ASTM, and BS**, and are produced using cutting-edge state-of-the-art technology. With an annual manufacturing capacity of over 30 million meters, our manufacturing facility is accredited with ISO 9001:2015, EMS 14001:2015, OHSAS 18001:2007, TS:16949:2009, and our products are compliant with the REACH, RoHS, CE, and MSHA.

We at **KIRAN** rely on our cutting-edge testing facilities to conduct thorough quality checks at different phases of the manufacturing process, guaranteeing superior quality.

Through our in-house R&D Centre, we are continuously developing new products suitable for electrical, mechanical, and thermal insulations as part of our endeavour for growth and innovation.

We realize that achieving excellence is not a destination, but a never-ending journey. Each employee in our organization is driven and dedicated to making sure that our high standards are upheld everywhere.

HISTORY AND KEY MILSTONES

-  3rd Generation Family Owned Company
-  Established First Manufacturing Unit in 1974
-  Expansion and upgradation of Machinery in 1992
-  First export shipment in 2003
-  Certification of UL Grade "A" for H Class sleeving in 2006
-  Implementation of customized ERP software in 2010
-  Certification of UL Grade "B" for H Class & Acrylic sleeving in 2017
-  Entered the Automotive industry in 2019
-  Established a 2nd Manufacturing Unit in Rewari, Haryana in 2022

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PRODUCT DESCRIPTION

KIRASRG 001 sleeving is made of a high-temperature silicone rubber elastomer that has been pressure-bonded to a heat-stabilized fiberglass braid. Even in lower dielectric grades, it can withstand extreme push-back thanks to its exceptional flexibility. KIRASRG 001 sleeving is the best insulation option. Even after folding and bending, the electrical strength remains high. The sleeves are physically robust, flame retardant, and have outstanding resistance to abrasion.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Multi filament
and Silicone Elastomer

THERMAL CLASS

Class - H

OPERATING TEMP

-60°C to +180°C (Peak +200°C)

SIZES

0.5mm to 50 mm

FLAMMABILITY

UL 1441 - VW-1 (UL Grade-A)

EXPANDABILITY

1:2

STANDARD COLOR

Natural & Black, Other Colors on request

SHELF LIFE *(Under Recommended Storage conditions)*

Longer Shelf Life (More than 25+ Yrs)

DIELECTRIC STRENGTH

A-Min 7000 Volts

B-Min 4000 Volts

C-Min 2500 Volts

FEATURES

- Superior Electrical Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

CORE APPLICATIONS

- Rotation Machine Core Wire Insulation
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness.
- Motor and Generator Lead Wire protection.
- Tubing
- Oil Filled Transformers Lead wire protection

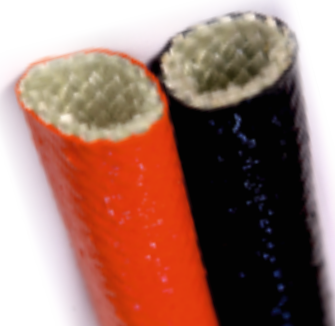
STANDARDS

- IEC 60684
- UL - 1441
- BS 2848
- NEMA
- ASTM D - 350
- ASTM D - 372
- JIS C - 2347

COMPLIANCES



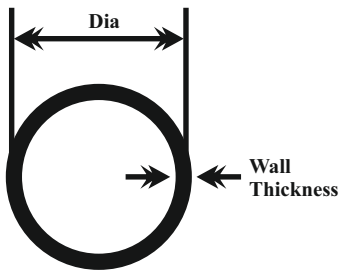
UL File No.: E324343
UL Part Code: SRG 001



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Heat Resistance	UL1441: 7 days at +265°C 60 days at +235°C	No cracks or detachment of coating were visible and the original colors were clearly recognizable
2.	Cold Resistance	UL 1441 IEC 60684	No cracks or detachment of coating were visible.
3.	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
4.	Flammability	Flame propagation: IEC60684 Part2 Clause 26. Method B-Vertical without mandrel UL1441	Extinguishes within 60 seconds. Self-extinguishing VW-1
5.	Insulation Resistance	BS 2848 IEC 60684	10 ⁵ MΩ
6.	Hydrolysis of Coating	IEC 60684	There was no burning of the coating or any sign of de-colorisation of the Sleeve Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IEC 60684	No cracks or detachment of coating were visible and the original colors were clearly recognizable

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
0.5mm	± 0.2mm	0.50mm ± 0.20mm	100 Mtrs
1.0mm	± 0.3mm		
2.0mm			
3.0mm			
4.0mm			
5.0mm	± 0.5mm		
6.0mm			
8.0mm			
10.0mm			
12.0mm	± 1.0mm	0.65mm ± 0.20mm	50 Mtrs
14.0mm			
16.0mm			
20.0mm			
25.0mm			

(*Other diameters and colors supplied upon request.



PRODUCT DESCRIPTION

KIRASRG 001 (HT) is a flexible fiberglass sleeve coated with silicone elastomer and featuring an outer layer of fiberglass braid. The over braid bonding procedure improves assembly performance and gets rid of the long-term handling effects of operator dermatitis by adhering the over braid to the silicone-coated substrate and minimizing end fray.

The majority of acids, oils, organic solvents, and water do not affect the sleeving. Additionally, almost all electrical grade varnishes and impregnation systems appropriate for all VPI applications are compatible with it.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Multifilament and Silicone

THERMAL CLASS

Class - H

OPERATING TEMP

-60°C to +250°C (Peak +300°C)

SIZES

0.5mm to 50mm

FLAMMABILITY

VW-1 (UL Grade-A)

EXPANDABILITY

1:2 (As per Customer requirement)

STANDARD COLOR

Natural & Black, Other Colors on request

SHELF LIFE *(Under Recommended Storage conditions)*

More than 25 years

DIELECTRIC STRENGTH

A-Min 7000 Volts

B-Min 4000 Volts

C-Min 2500 Volts

FEATURES

- Superior Electrical Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

STANDARDS

- IEC 60684
- UL - 1441
- BS 2848
- NEMA
- ASTM D - 350
- ASTM D - 372
- JIS C - 2347

CORE APPLICATIONS

- Rotation machine Core Insulation
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness.
- Motor and Generator Lead Wire protection.
- Tubing
- Oil Filled Transformers Lead wire protection

COMPLIANCES



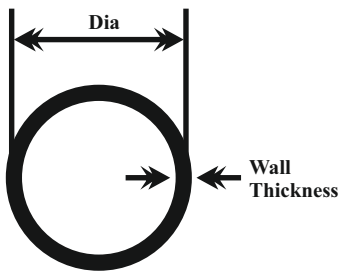
UL File No.: E324343
UL Part Code: SRG 001



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Heat Resistance	UL1441: 7 days at +265°C 60 days at +235°C	No cracks or detachment of coating were visible and the original colors were clearly recognizable
2.	Cold Resistance	UL 1441 IEC 60684	No cracks or detachment of coating were visible.
3.	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
4.	Flammability	Flame propagation: IEC60684 Part2 Clause 26. Method B-Vertical without mandrel UL1441	Extinguishes within 60 seconds. Self-extinguishing VW-1
5.	Insulation Resistance	IEC 60684	10 ⁵ MΩ
6.	Hydrolysis of Coating	IEC 60684	There was no burning of the coating or any sign of de-colourisation of the Sleeve Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IEC 60684	No cracks or detachment of coating were visible and the original colors were clearly recognizable

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
0.5mm	± 0.2mm	0.50mm ± 0.20mm	100 Mtrs
1.0mm	± 0.3mm		
2.0mm			
3.0mm			
4.0mm			
5.0mm	± 0.5mm		
6.0mm			
8.0mm			
10.0mm			
12.0mm	± 1.0mm	0.65mm ± 0.20mm	50 Mtrs
14.0mm			
16.0mm			
20.0mm			
25.0mm			

(*Other diameters and colors supplied upon request.

PRODUCT DESCRIPTION

KIRAAG 701 Acrylic Coated Fiberglass Sleeving is made from non-alkali tight Fiberglass braiding that has been thermoplasticized with a special grade Acrylic resin to produce a durable and flexible sleeving capable of withstanding mechanical stress while retaining die-electric properties. It has excellent resistance to alkalis and is resistant to an array of elements, including water, acids, oils, and solvents.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Multifilament and Acrylic Resin

THERMAL CLASS

Class - F

OPERATING TEMP

-30°C to +155°C (Peak +180°C)

SIZES

0.5mm to 50mm

FLAMMABILITY

VW-1 (UL Grade-A)

EXPANDABILITY

1:1.5

STANDARD COLOR

Natural & Black, Other Colors on request

SHELF LIFE *(Under Recommended Storage conditions)*

More than 10 years

DIELECTRIC STRENGTH

A-Min 7000 Volts

B-Min 4000 Volts

C-Min 2500 Volts

FEATURES

- Superior Electrical Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

STANDARDS

- IEC 60684
- UL - 1441
- BS 2848
- NEMA
- ASTM D - 350
- ASTM D - 372

CORE APPLICATIONS

- Rotation Machine Core Insulation
- Instrumental Panel Harness
- Engine Compartment Harness
- Standard Wire Harness.
- Motor and Generator Lead Wire protection.
- Tubing
- Dry and Oil Filled Transformers Lead wire protection

COMPLIANCES



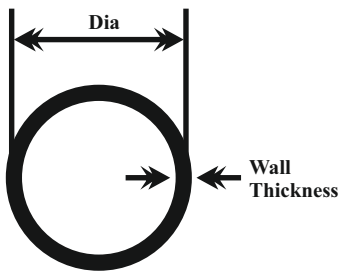
UL File No.: E491961
UL Part Code: AG 701



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Heat Resistance	UL1441: 7 days at +265°C 60 days at +235°C	No cracks or detachment of coating were visible and the original colors were clearly recognizable
2.	Cold Resistance	UL 1441 IEC 60684	No cracks or detachment of coating were visible.
3.	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
4.	Flammability	Flame propagation: IEC60684 Part2 Clause 26. Method B-Vertical without mandrel UL1441	Extinguishes within 60 seconds. Self-extinguishing VW-1
5.	Insulation Resistance	IEC 60684	10 ⁵ MΩ
6.	Hydrolysis of Coating	IEC 60684	There was no burning of the coating or any sign of de-colourisation of the Sleeve Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IEC 60684	No cracks or detachment of coating were visible and the original colors were clearly recognizable

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
0.5mm	± 0.2mm	0.50mm ± 0.20mm	100 Mtrs
1.0mm	± 0.3mm		
2.0mm			
3.0mm			
4.0mm			
5.0mm	± 0.5mm		
6.0mm			
8.0mm			
10.0mm			
12.0mm	± 1.0mm	0.65mm ± 0.20mm	50 Mtrs
14.0mm			
16.0mm			
20.0mm			
25.0mm			

(*Other diameters and colors supplied upon request.



PRODUCT DESCRIPTION

KIRATEX 1102 is an aluminum-coated insulative fiber glass sleeving made of fiberglass multifilament. Its components are made to tolerate high temperatures, but they also need to stay at a constant temperature in order to function well and provide good insulation.

PROPERTIES

SLEEVING MATERIAL

TEX Fiberglass Filament and Silicone Resin

THERMAL CLASS

Class - H

OPERATING TEMP

-60°C to +250°C

SIZES

0.5mm to 50mm

FLAMMABILITY

VW - 1

STANDARD COLOR

Grey

SHELF LIFE *(Under Recommended Storage conditions)*

More than 25 years

FEATURES

- Superior Thermal Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility
- High Shrinkage

STANDARDS

- IEC 60684
- UL - 1441
- BS 2848
- NEMA
- ASTM D - 350
- ASTM D - 372
- JIS C - 2347

CORE APPLICATIONS

- Alternator core winding
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness
- Motor and Generator Lead Wire protection
- Tubing
- Oil Filled Transformers Lead wire protection

COMPLIANCES



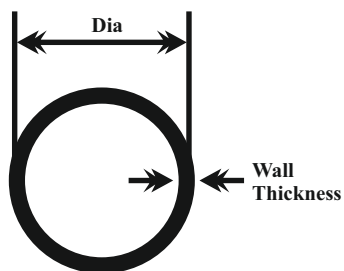
UL File No.: E324343
UL Part Code: SRG 001



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Heat Ageing / Temp. Rating	240Hrs for 250°C	Visually no sign of degradation or no changes
2.	Thermal Effectiveness Test	SAE J 2302	Visually no sign of degradation or no changes
3.	Low Temp. Flexibility	SAE J 2192	Pass
4.	Fluid Resistance	D47 1924	Pass
5.	Flammability	FMVSS 302 D45 1333	Self-Extinguishable

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
0.5mm	± 0.2mm	0.50mm ± 0.20mm	100 Mtrs
1.0mm	± 0.3mm		
2.0mm			
3.0mm			
4.0mm			
5.0mm	± 0.5mm		
6.0mm			
8.0mm			
10.0mm			
12.0mm	± 1.0mm	0.65mm ± 0.20mm	50 Mtrs
14.0mm			
16.0mm			
20.0mm			
25.0mm	± 2.0mm		

(*Other diameters and colors supplied upon request.



PRODUCT DESCRIPTION

KIRAPU 3000 is a Fiberglass sleeving impregnated with Polyurethane varnish that is utilized in applications that demand consistent heat resistance and dielectric strength. The product, which comes in several grades and has a dielectric strength of up to 4000 volts depending on the application, is composed of an inner wall layer formed of braided and polyurethane-coated fiberglass yarn. For all Class 155°C thermal needs, KIRAPU 3000 Class - F sleeving is advised as a universal coated sleeving. The sleeving can operate at temperatures exceeding its thermal classification for brief periods of time and is compatible with the majority of insulating varnishes.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Filament and Polyurethane Resin

THERMAL CLASS

Class - F

OPERATING TEMP

0°C to +155°C

SIZES

0.5mm to 50mm

DIELECTRIC STRENGTH

3000 Volts

STANDARD COLOR

Natural & Black, Other Colors on request

SHELF LIFE *(Under Recommended Storage conditions)*

More than 25 years

FEATURES

- Superior Electrical Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

CORE APPLICATIONS

- Alternator core winding
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness
- Motor and Generator Lead Wire protection
- Tubing
- Oil Filled Transformers Lead wire protection

STANDARDS

- IEC 60684
- UL - 1441
- BS 2848
- NEMA
- JIS C - 2347

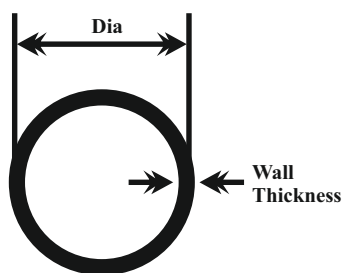
COMPLIANCES



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Heat Resistance	IEC 60684	No cracks or detachment of coating were visible and the original colors were clearly recognizable
2.	Cold Resistance	IEC 60684	No cracks or detachment of coating were visible.
3.	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
4.	Flammability	Flame propagation: IEC60684 Part2 Clause 26. Method B Vertical without mandrel	Extinguishes within 45 seconds.
5.	Insulation Resistance	IEC 60684	10 ⁵ MΩ
6.	Hydrolysis of Coating	IEC 60684	There was no burning of the coating or any sign of de-colourisation of the Sleeve Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IEC 60684	No cracks or detachment of coating were visible and the original colors were clearly recognizable

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
0.5mm	± 0.2mm	0.50mm ± 0.20mm	100 Mtrs
1.0mm	± 0.3mm		
2.0mm			
3.0mm			
4.0mm	± 0.5mm		
5.0mm			
6.0mm			
8.0mm			
10.0mm	± 1.0mm	0.65mm ± 0.20mm	50 Mtrs
12.0mm			
14.0mm			
16.0mm			
20.0mm			
25.0mm	± 2.0mm		

(*Other diameters and colors supplied upon request.

PRODUCT DESCRIPTION

The KIRASRG 001(FIRE) Fire Sleeving is constructed from premium fiberglass yarns braided into a flexible substrate, and it is subsequently covered in premium silicone rubber that has fully cured. It is made to shield cables, wires, and hoses from the dangers of intense heat and sporadic direct flame. The KIRASRG 001 (FIRE) Fire sleeve can withstand a molten splash at 2000 °F (1093 °C) and provides continuous protection up to 500 °F (260 °C).

PROPERTIES

SLEEVING MATERIAL

Fiberglass Multifilament and Silicone

THERMAL CLASS

Class - H

SIZES

6mm to 100mm

DIELECTRIC STRENGTH

Min 10000 Volts

FLAMMABILITY

VW-1 and MSHA

EXPANDABILITY

1:2 on Request

STANDARD COLOR

Brick Red & Black

SHELF LIFE *(Under Recommended Storage conditions)*

More than 25 years

OPERATING TEMP

-60°C to +260°C

1093°C (Max. 30 Mins)

upto 1650°C (Max. 30 Sec)

FEATURES

- Superior Electrical Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

CORE APPLICATION

- Protective covering for cables, ropes and hoses
- Sheath for bundling of multiple wires
- Insulation covering to prevent heat loss from hot metal hoses and piping
- Steel Mills, Nonferrous smelting mills, Fuel supply lines, Steam, hot water and hot oil lines, Hoses and cables close to furnaces, boilers, engines
- Thermal insulation covering hoses and piping means reduced energy costs

STANDARDS

- IEC 60684
- MSHA
- SAE AS 1072

COMPLIANCES



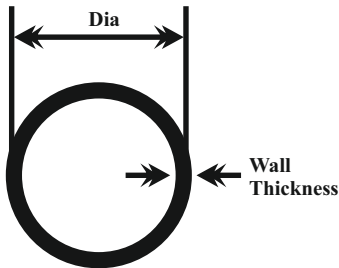
UL File No.: E324343
UL Part Code: SRG 001



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	ASTM D 3418 +400°C	No cracks or detachment of coating were visible and the original colors were clearly recognizable
2.	Cold Resistance	UL 1441 IEC 60684	No cracks or detachment of coating were visible.
3.	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
4.	Flammability	Flame propagation: IEC60684 Part2 Clause 26. Method B Vertical without mandrel UL 1441, UL 94	Extinguishes within 60 seconds. Self-Extinguishable V-0
5.	Thermal Conductivity	ASTM E 1530	0.10 w/m ³ k
6.	Hydrolysis of Coating	IEC 60684	There was no burning of the coating or any sign of de-colourisation of the Sleeve Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IS 7016	Pass - No cracks or detachment of coating were visible and the original colors were clearly recognizable

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
6.0mm	± 0.5mm	Min. 2.0mm (or) Min. 3.00mm (On Requirement)	25 Mtrs
8.0mm			
10.0mm			
12.0mm	± 1.0mm		
15.0mm			
20.0mm			
25.0mm	± 2.0mm		
30.0mm			
35.0mm			
40.0mm			
50.0mm			
60.0mm	± 3.0mm		
70.0mm			
80.0mm			
90.0mm			

(*)Other diameters and colors supplied upon request.



PRODUCT DESCRIPTION

The KIRA HL SRG 1020 Fire Sleeve with Velcro is a robust and adaptable solution that shields vital parts from elevated temperatures and possible fire risks in settings such as engine compartments. Its high-temperature resistance and Velcro edge make it an invaluable tool in applications and sectors where heat protection is crucial. For brief periods of time, the sleeve can tolerate temperatures as high as 1650°C, and it can bear direct, continuous heat up to 260°C. In severe circumstances, this degree of heat resistance is essential for insulating and safeguarding wires, fuel lines and oil lines.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Filament and Silicone Resin

THERMAL CLASS

Class - H

OPERATING TEMP

-60°C to +260°C
(Peak +1093°C for 15 - 20 Mins)

SIZES

6mm to 100mm

FLAMMABILITY

VW-1

STANDARD COLOR

Red Oxide & Black,
Other Colors on request

SHELF LIFE *(Under Recommended Storage conditions)*

More than 25 years

FEATURES

- Superior Electrical Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

CORE APPLICATIONS

- Protective covering for cables, ropes and hoses
- Sheath for bundling of multiple wires
- Insulation covering to prevent heat loss from hot metal hoses and piping
- Steel Mills, Nonferrous smelting mills, Fuel supply lines, Welding applications, Steam, hot water and hot oil lines, Hoses and cables close to furnaces, boilers, engines etc
- Thermal insulation covering hoses and piping means reduced energy costs

STANDARDS

- IEC 60684
- BS 2848
- UL 1441
- IS 7016

COMPLIANCES



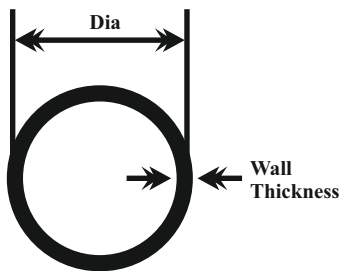
UL File No.: E324343
UL Part Code: SRG 001



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	ASTM D 3418 +400°C	No cracks or detachment of coating were visible and the original colors were clearly recognizable
2.	Cold Resistance	UL 1441 IEC 60684	No cracks or detachment of coating were visible.
3.	Chemical Resistance	Simulation of real operating conditions	Compatible with most insulating varnishes and transformer oils
4.	Flammability	Flame propagation: IEC60684 Part2 Clause 26. Method B Vertical without mandrel UL 1441, UL 94	Extinguishes within 60 seconds. Self-Extinguishable V-0
5.	Thermal Conductivity	ASTM E 1530	0.10 w/m ³ k
6.	Hydrolysis of Coating	IEC 60684	There was no burning of the coating or any sign of de-colourisation of the Sleeve Coating.
7.	Bending (Flexibility) (Low Temp./Ageing/ Max. Temp.)	IS 7016	Pass - No cracks or detachment of coating were visible and the original colors were clearly recognizable

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
6.0mm	± 0.5mm	Min. 2.0mm (or) Min. 3.00mm (On Requirement)	25 Mtrs
8.0mm			
10.0mm			
12.0mm	± 1.0mm		
15.0mm			
20.0mm			
25.0mm	± 2.0mm		
30.0mm			
35.0mm			
40.0mm			
50.0mm			
60.0mm	± 3.0mm		
70.0mm			
80.0mm			
90.0mm			

(*)Other diameters and colors supplied upon request.



PRODUCT DESCRIPTION

KIRATHERMO 1212 is a saturated and heat-treated fiberglass sleeve. It is intended to offer the best possible insulation and defense against convective and conducted heat in high-temperature settings. This product is especially useful for parts that need to be kept at high temperatures in order to function as efficiently as possible, all the while guaranteeing robustness and handling comfort during installation.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Multi Filament and High Temp. material

THERMAL CLASS

Class - F

OPERATING TEMP

-70°C to +370°C
(Peak +400°C)

SIZES

4mm to 40mm

DIELECTRIC STRENGTH

Not Applicable

FLAMMABILITY

Does not Burn (ASTM D-350)

STANDARD COLOR

Black

SHELF LIFE *(Under Recommended Storage conditions)*

More than 25 years

FEATURES

- Superior Thermal Properties
- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

CORE APPLICATIONS

- Exhaust Gas Recirculation (EGR) Tubes
- Exhaust System Component Protection
- Tubing

STANDARDS

- As per the customers' requirements

COMPLIANCES





PRODUCT DESCRIPTION

Heat-treated KIRAHTG-001 sleeves are composed of non-alkali fiberglass braiding that has the wax refined out and the weaves hardened. It has the quality of having tensile strength. It is an outstanding insulator when it comes to the wiring of electrical equipment, machinery, and home appliances.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Filament

THERMAL CLASS

Class - E

OPERATING TEMP

-70°C - +550°C

SIZES

1.0mm to 50mm

DIELECTRIC STRENGTH

Max. 1000Volts

STANDARD COLOR

Natural & Golden

MELTING POINT

+650°C

FEATURES

- Excellent Low Temperature Flexibility
- Flame Retardant and Insulation performance
- High level Thermal Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free
- High Flexibility

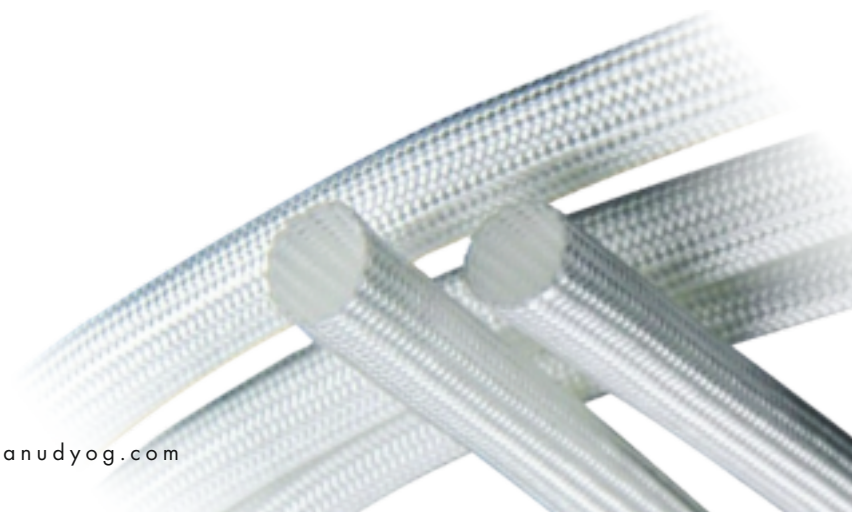
STANDARDS

- As per the customers' requirements

CORE APPLICATIONS

- IRotation Machine Lead Wire Thermal Protectioninstrumental Panel Harness
- Instrumental Panel Harness Thermal Protectionubing
- Engine Compartment Harness Thermal Protection
- Tubing

COMPLIANCES





PRODUCT DESCRIPTION

KIRA R FLEX 2463A, the sleeve's outer layer is made of highly reflective aluminum foil. The inner layer is composed of fiberglass multifilament, which is essential for combining radiant heat reflection, insulation, flexibility, durability, and fluid and dirt resistance to protect delicate components from high temperatures. It is an adaptable solution for a range of industrial uses where component integrity and thermal protection are essential.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Multi filament

MATERIAL

Fiberglass Multi filament and Aluminum Tape

OPERATING TEMP

- 40°C to +150°C

OVER LAP

25% and 50%

Standard Color

White

SIZES

5mm to 50mm

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- Excellent radiant and convective heat protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

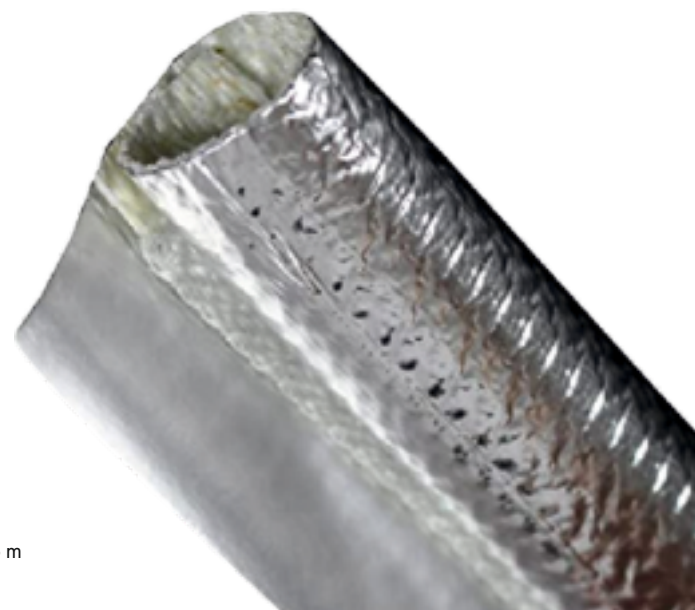
CORE APPLICATIONS

- Brake Lines
- Fuel Lines
- Engine Compartment Harness
- Modular Wire Harness.
- High Voltage cable protection.
- Engine Harness

STANDARDS

- As per the customers' requirements

COMPLIANCES



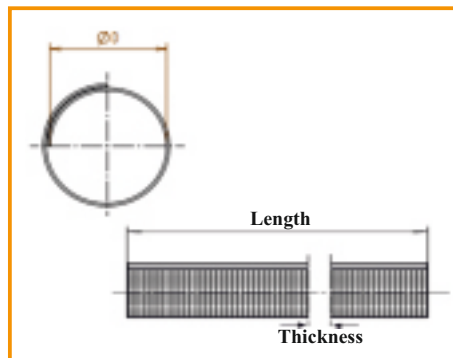
TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 150 °C	Pass
2.	Low Temp. Flexibility	BH 100 - 016A	-40 °C
3.	Thermal Endurance	BH 100 - 503	No degradation or delamination
4.	Fluid Resistance	BH 100 - 003B	Pass
5.	Flammability	SAE J 369	Self-Extinguishable
6.	Tensile Strength - Wrap	ASTM D 5035	Warp : 250lbf/in. min.

DIMENSIONS

Kiran Part Code	Nominal Size Φ - d	Over Lap	Thickness	Standard Packing
24630001010C000	5.0mm	25% (or) 50%	1.00mm \pm 0.25mm	25 Mtrs
24630001310C000	8.0mm			
24630001310C000	10.0mm			
24630001310C000	13.0mm			
24630001310C000	16.0mm			
24630001310C000	19.0mm			
24630001310C000	25.0mm			
24630001910C000	29.0mm			
24630002510C000	32.0mm			

(*Other diameters and colors supplied upon request.





PRODUCT DESCRIPTION

KIRA R SLV 2451 is a fiber glass sleeve laminated with aluminum foil. Its long-lasting and efficient thermal protection is guaranteed by its construction. This material combination offers a smooth and efficient way to protect against radiant heat. Its seamless, non-fraying construction, reflective finish, and insulating qualities make it a valuable asset in applications where thermal protection is crucial.

PROPERTIES

SLEEVING MATERIAL

Fiberglass Multi Filament and Aluminum Foil

OPERATING TEMP

-60°C to +260°C (Peak +300°C)

SIZES

10mm to 50mm

FLAMMABILITY

Self Extinguishable

STANDARD COLOR

White

SHELF LIFE *(Under Recommended Storage conditions)*

More than 10 years

FEATURES

- Superior Thermal Properties
- Excellent Low Temperature Flexibility
- Good Flame Retardant performance
- High level Thermal Protection
- Excellent protection against radiant heat
- Oil Resistance
- Halogen Free
- High Flexibility

CORE APPLICATIONS

- Tubing and Hoses
- Instrumental Panel Harness
- Engine Compartment Harness
- A/c Lines
- Control Cables
- Tubing
- Hybrid Vehicles

STANDARDS

- As per the customers' requirements

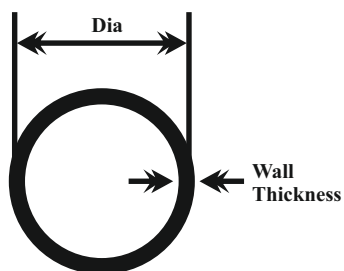
COMPLIANCES



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Heat Ageing	7 days at +265 °C 60 days at +235 °C	No visible variations and the original colors were clearly recognizable
2.	Cold Resistance	-70 °C	No detachment of coating were visible.
3.	Fluid Resistance	BH 100 - 003B	Compatible with most Fluids and PASS
4.	Flammability	ASTM D 350	Does not Burn

DIMENSIONS



Inner Dia	Dia Tolerance	Wall Thickness	Standard Packing
4.0mm	± 0.5mm	0.65mm ± 0.20mm	100 Mtrs
5.0mm			
6.0mm			
8.0mm			
10.0mm			
12.0mm	± 1.0mm		50 Mtrs
14.0mm			
16.0mm			
20.0mm			
25.0mm			

(*Other diameters and colors supplied upon request.



PRODUCT DESCRIPTION

The KIRASELF 1100 is the perfect choice in scenarios where convenience of installation is of utmost concern because it is made with a particular grade polyester yarn to create a semi-rigid braided construction. Without the need for any additional fasteners (Tie, tapes, etc.), the semi-rigid braid design easily closes around the entire installation. The lateral split allows the tube to open up to accommodate a broad variety of bundling requirements.

PROPERTIES

SLEEVING MATERIAL

Polyester Multifilament and PET Monofilament

MATERIAL

Polyester Multifilament and PET Monofilament - 0.22mm

OPERATING TEMP

+70°C to 150°C

SIZES

5.0mm to 38mm

OVER LAP

25% and 50%

STANDARD COLOR

Black and Orange

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

CORE APPLICATIONS

- Body Auto wiring Harness
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness.
- Electrical Distribution System.
- Tubing

STANDARDS

- As per the customers' requirements

COMPLIANCES



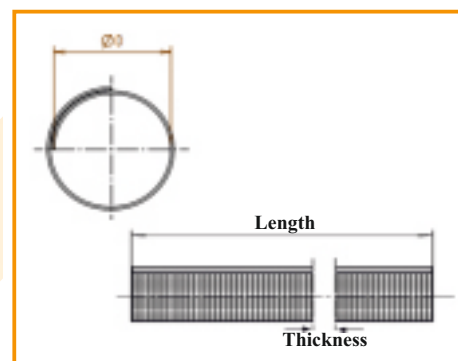
TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	3000Hrs for 150°C	Pass
2.	Low Temp. Flexibility	BH 100 - 016A	-70°C
3.	Melting Temp.	ASTM D 3418	+245°C (473°F) to +265°C (509°F)
4.	Fluid Resistance	BH 100 - 003B	Pass
5.	Abrasion Resistance	D44 1959	More than 1,40,000 Cycles
6.	Flammability	FMVSS 302 SAE J 369 D45 1333	Grade - B Self-Extinguishable Self-Extinguishable

DIMENSIONS

Kiran Part Code	Nominal Size Φ - d	Over Lap	Thickness	Standard Packing
1100000510C000	05.0mm	25% (or) 50%	0.50mm \pm 0.1mm	500 Mtrs
1100000810C000	08.0mm			300 Mtrs
1100001010C000	10.0mm			200 Mtrs
1100001310C000	13.0mm			150 Mtrs
1100001610C000	16.0mm			125 Mtrs
1100001910C000	19.0mm			100 Mtrs
1100002510C000	25.0mm			50 Mtrs
1100002910C000	29.0mm			50 Mtrs
1100003210C000	32.0mm			25 Mtrs
1100003810C000	38.0mm			25 Mtrs

(*) Other diameters and colors supplied upon request.





PRODUCT DESCRIPTION

KIRASHIELD 1442 is a self-wrapping sleeve primarily used in the automotive industry, particularly in high-voltage systems for hybrid and electric vehicles, that is intended to offer exceptional cut-through protection for electrical cables. Its flexibility and protective qualities make it a useful product for improving these vehicles' performance and safety. Orange and black are the two color options available. The use of orange is especially crucial for identifying high-voltage cables in electric and hybrid cars, facilitating the recognition of these potentially dangerous parts by technicians and first responders. The product is capable of absorbing and spreading energy thanks to its tough, multilayer structure, which also helps to protect the internal electrical cable during impacts.

PROPERTIES

SLEEVING MATERIAL

Polyester Multifilament and PET Monofilament

MATERIAL

Polyester Multifilament & PET - 0.22mm

OPERATING TEMP

-70°C to +150°C

SIZES

Standard sizes Ref. table

OVER LAP

25% and 50%

STANDARD COLOR

Black & Orange

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

CORE APPLICATIONS

- Body Auto wiring Harness
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness
- High Voltage cable protection
- Tubing

STANDARDS

- As per the customers' requirements

COMPLIANCES



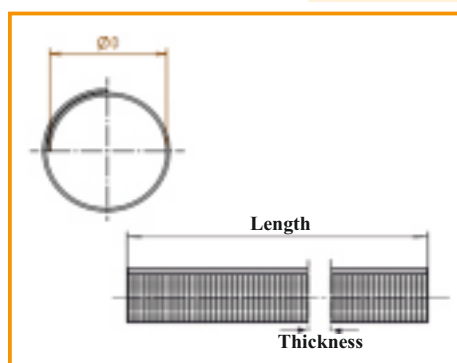
TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 175 °C	Pass
2.	Low Temp. Flexibility	BH 100 - 016A	-40 °C
3.	Dynamic Cut through	ASTM D3032-04	650 N Avg.
4.	Fluid Resistance	D47 1924	Pass
5.	Abrasion Resistance	D44 1959	More than 2,00,000 Cycles
6.	Flammability	SAE J 369	Self-Extinguishable

DIMENSIONS

Kiran Part Code	Nominal Size Φ - d	Over Lap	Thickness	Standard Packing
1442000710C000	07.0mm	25% (or) 50%	1.60mm \pm 0.1mm	250 Mtrs
14420001010C000	10.0mm			150 Mtrs
14420001310C000	13.0mm			100 Mtrs
14420001610C000	16.0mm			75 Mtrs
14420001910C000	19.0mm			50 Mtrs
14420001910C000	25.0mm			50 Mtrs

(*Other diameters and colors supplied upon request.





PRODUCT DESCRIPTION

KIRATEX 3300 is made from a high-quality polyester textile, known for its durability. This material is chosen for its ability to withstand wear and tear, making it suitable for rugged applications. It gives a versatile solution for safeguarding cables and hoses in challenging environments where durability, heat resistance, and ease of installation are key requirements

PROPERTIES

SLEEVING MATERIAL
Polyester Multifilament

OPERATING TEMP
-40°C to +150°C

SIZES
8.0mm to 76mm

STANDARD COLOR
Black

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

CORE APPLICATIONS

- Protect Hydraulic Hose pipes.
- Protect Rubber Pipes and Plastic Pipe
- Wire Harness

STANDARDS

- As per the customers' requirements

COMPLIANCES



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 175 °C	Pass
2.	Temp. / Humidity Cycle	SAE J 2192	No sign of visual degradation or changes
3.	Low Temp. Flexibility	SAE J 2192	
4.	Fluid Resistance	SAE J 2192	Pass
5.	Abrasion Resistance	ISO 6945	92,400 Cycles
6.	Melting Point	ASTM D 3418	+230 °C
7.	Flammability	FMVSS 302 SAE J 369	Self-Extinguishable

DIMENSIONS

Kiran Part Code	Nominal Size $\Phi - d$	Lay flat Width (mm)	Thickness	Standard Packing
3300000810C000	8.0mm	16 ± 2	1.00mm ± 0.1mm	100 Mtrs
33000001310C000	13.0mm	25 ± 2		100 Mtrs
33000001610C000	16.0mm	31 ± 2		100 Mtrs
33000001910C000	19.0mm	34 ± 2		100 Mtrs
33000002310C000	23.0mm	40 ± 2		100 Mtrs
33000002510C000	25.0mm	44 ± 2		100 Mtrs
33000003210C000	32.0mm	54 ± 2		100 Mtrs
33000003810C000	38.0mm	64 ± 2		100 Mtrs
33000004510C000	45.0mm	76 ± 2		100 Mtrs
33000005110C000	51.0mm	84 ± 2		100 Mtrs
33000005710C000	57.0mm	94 ± 2		100 Mtrs
33000006410C000	64.0mm	104 ± 2		50 Mtrs
33000007010C000	70.0mm	113 ± 2		50 Mtrs
33000007610C000	76.0mm	126 ± 2		50 Mtrs

(*) Other diameters supplied upon request.





PRODUCT DESCRIPTION

The KIRANTEX 3310 textile sleeve is made of nylon and is intended to shield wires, cables, and hoses from abrasion for an extended period of time. The nylon textile sleeve is made of high tenacity multi-filament nylon yarn and is woven into a flexible tube sleeve that offers dependable and comprehensive protection.

PROPERTIES

SLEEVING MATERIAL

Nylon Multifilament

OPERATING TEMP

- 60°C to +160°C

SIZES

15mm to 170mm

STANDARD COLOR

Black

FLAMMABILITY

Flame Retardant

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

CORE APPLICATIONS

- Protect Hydraulic Hose pipes.
- Protect Rubber Pipes and Plastic Pipe
- Wire Harness

STANDARDS

- IEC 60684
- UL - 1441
- BS 2848
- NEMA
- JIS C - 2347
- ISO 6945

COMPLIANCES



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 175 °C	Pass
2.	Temp. / Humidity Cycle	SAE J 2192	No sign of visual degradation or changes
3.	Low Temp. Flexibility	SAE J 2192	
4.	Fluid Resistance	SAE J 2192	Pass
5.	Abrasion Resistance	ISO 6945	92,400 Cycles
6.	Melting Point	ASTM D 3418	+230 °C
7.	Flammability	FMVSS 302 SAE J 369	Self-Extinguishable

DIMENSIONS

Kiran Part Code	Nominal Size $\Phi - d$	Lay flat Width (mm)	Thickness	Standard Packing
33100000610C000	8.0mm	16 ± 2	1.00mm ± 0.1mm	100 Mtrs
33100000610C000	13.0mm	25 ± 2		100 Mtrs
33100000610C000	16.0mm	31 ± 2		100 Mtrs
33100000610C000	19.0mm	34 ± 2		100 Mtrs
33100000610C000	23.0mm	40 ± 2		100 Mtrs
33100000610C000	25.0mm	44 ± 2		100 Mtrs
33100000610C000	32.0mm	54 ± 2		100 Mtrs
33100000610C000	38.0mm	64 ± 2		100 Mtrs
33100000610C000	45.0mm	76 ± 2		100 Mtrs
33100000610C000	51.0mm	84 ± 2		100 Mtrs
33100000610C000	57.0mm	94 ± 2		100 Mtrs
33100000610C000	64.0mm	104 ± 2		50 Mtrs
33100000610C000	70.0mm	113 ± 2		50 Mtrs
33100000610C000	76.0mm	126 ± 2		50 Mtrs

(*) Other diameters supplied upon request.





PRODUCT DESCRIPTION

KIRAFLEX 1120 sleeving is specifically engineered to protect automotive components from mechanical abrasion. This is crucial in the automotive sector because these parts are subjected to frequent movement, vibrations, and possible wear and tear. Modified polyester monofilaments are used to construct the sleeves. A number of important qualities that are useful in automotive applications are combined in this material, such as self-extinguishing qualities, durability against typical automotive fluids, and resistance to mechanical abrasion.

PROPERTIES

SLEEVING MATERIAL

PET Polyester Monofilament

MONOFILAMENT

0.22mm

OPERATING TEMP

-70°C to +150°C

SIZES

6mm to 65mm

EXPANDABILITY

1:2 and 1:3 (As per Customer's req.)

STANDARD COLOR

Black, Other Colors on request

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

CORE APPLICATIONS

- Body Auto wiring Harness
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness
- Electrical Distribution System
- Tubing

STANDARDS

- SAE J 2192
- ASTM D 4157
- FMVSS 302
- SAE J 369

COMPLIANCES



TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 175 °C	Pass
2.	Temp. / Humidity Cycle	SAE J 2192	No sign of visual degradation or changes
3.	Low Temp. Flexibility	SAE J 2192	
4.	Fluid Resistance	SAE J 2192	Pass
5.	Abrasion Resistance	ASTM D 4157	1,40,000 Cycles (Rating - 3)
6.	Flammability	FMVSS 302 SAE J 369	Self-Extinguishable

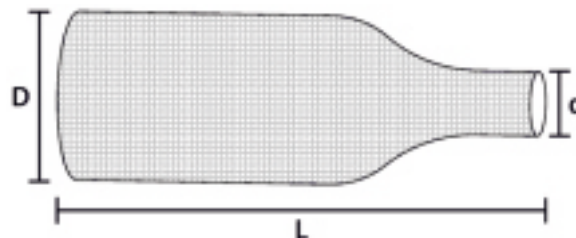
DIMENSIONS

Kiran Part Code	Nominal Size $\Phi - d$	Min. Expandability - D (mm)	Thickness	Standard Packing
1120000610C000	06.0mm	12 - 13	0.50mm \pm 0.1mm	500 Mtrs
1120000810C000	08.0mm	16 - 17		500 Mtrs
11200001010C000	10.0mm	16 - 17		300 Mtrs
11200001310C000	12.0mm	18 - 19		250 Mtrs
11200001610C000	16.0mm	18 - 19		250 Mtrs
11200001910C000	20.0mm	25 - 26		250 Mtrs
11200002510C000	25.0mm	30 - 32		200 Mtrs
11200003210C000	30.0mm	37 - 40		150 Mtrs
11200003510C000	35.0mm	37 - 40		100 Mtrs
11200003810C000	40.0mm	50 - 53		100 Mtrs
11200004510C000	45.0mm	50 - 53		75 Mtrs
11200005110C000	50.0mm	65 - 70		50 Mtrs
11200006410C000	60.0mm	75 - 80		25 Mtrs

(*) Maximum expansion ratio can be greater than value stated.

(**) This is minimum guaranteed expansion. As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length.

(***) Other diameters supplied upon request.





PRODUCT DESCRIPTION

The KIRAFLEX - 1115 Sleeving is a type of braided sleeve that is made of polyamide monofilaments and is used to protect various components like wire harnesses, tubes, hoses, and cables from abrasion, chafing, and cutting damage. Its application can greatly increase these components' service life, making it a useful addition in situations where resistance to extreme weather is essential

PROPERTIES

SLEEVING MATERIAL

Nylon (PA) Monofilament

MONOFILAMENT

PA6.6 - 0.26mm

OPERATING TEMP

- 40°C to +150°C

SIZES

4mm to 50mm

FLAMMABILITY

Flame Retardant

STANDARD COLOR

Black, Other Colors on request

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

CORE APPLICATIONS

- Body Auto wiring Harness
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness.
- Electrical Distribution System.
- Tubing

STANDARDS

- BH 100 - 016A
- SAE ARP 1536A
- SAE J 369

COMPLIANCES



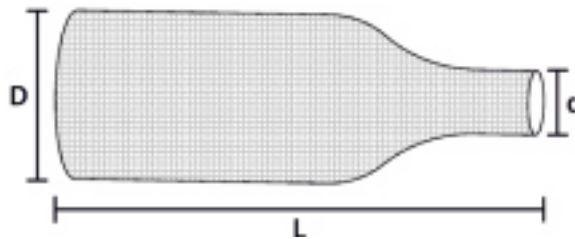
TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 175 °C	Pass
2.	Low Temp. Flexibility	BH 100 - 016A	No sign of visual degradation or changes
3.	Fluid Resistance	BH 100 - 003B	Pass
4.	Abrasion Resistance	SAE ARP 1536A	More than 1,78,000 Cycles
5	Flammability	SAE J 369	Self-Extinguishable

DIMENSIONS

Kiran Part Code	Nominal Size $\Phi - d$	Min. Expandability - D (mm)	Thickness	Standard Packing
11150000410C000	04.0mm	7.0mm	0.65mm \pm 0.1mm	500 Mtrs
11150000610C000	06.0mm	9.0mm		500 Mtrs
11150000810C000	08.0mm	12.0mm		300 Mtrs
11150001010C000	10.0mm	15.0mm		250 Mtrs
11150001210C000	12.0mm	18.0mm		250 Mtrs
11150001510C000	15.0mm	23.0mm		250 Mtrs
11150002010C000	20.0mm	28.0mm		200 Mtrs
11150002510C000	25.0mm	35.0mm		100 Mtrs
11150003010C000	30.0mm	45.0mm		50 Mtrs
11150003810C000	38.0mm	57.0mm		50 Mtrs
11150004010C000	40.0mm	60.0mm		25 Mtrs
11150005010C000	50.0mm	75.0mm		25 Mtrs

(*) Maximum expansion ratio can be greater than value stated.
 (**) This is minimum guaranteed expansion. As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length.
 (***) Other diameters supplied upon request.





PRODUCT DESCRIPTION

The KIRAFLEX 1130 is a braided sleeve designed for common automotive applications. Its dual-monofilament design, which combines PET and polyamide materials, provides a good mix of properties, such as resistance to temperature changes, abrasion resistance, and ease of installation. This makes it a sensible option for protecting automotive parts from environmental elements and mechanical harm.

PROPERTIES

SLEEVING MATERIAL

PET Polyester and PA Nylon Monofilament

MONOFILAMENT

PET - 0.25mm & PA - 0.38mm

OPERATING TEMP

-70°C to +150°C

SIZES

6mm to 65mm

EXPANDABILITY

1:2 and 1:3 (As per Customer req.)

STANDARD COLOR

Black, Other Colors on request

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

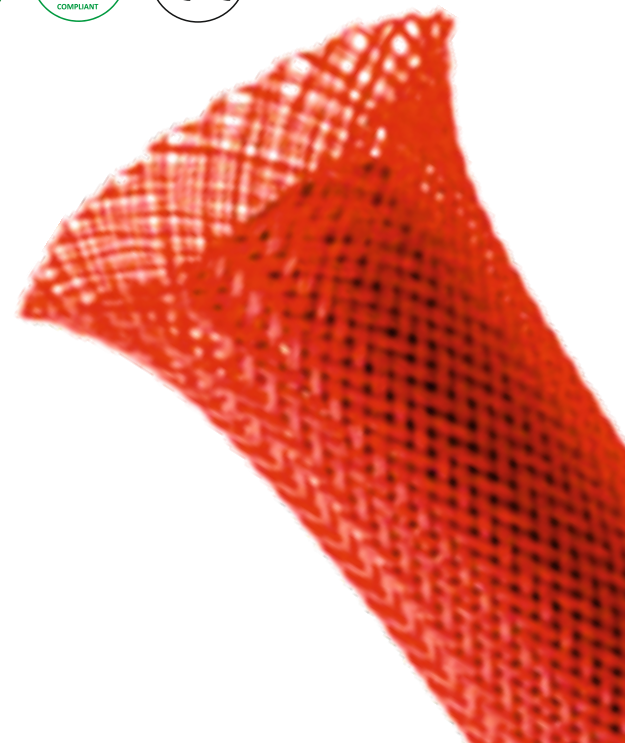
CORE APPLICATIONS

- Body Auto wiring Harness
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness
- Electrical Distribution System
- Tubing

STANDARDS

- SAE J 2192
- SAE ARP 1536 A
- FMVSS 302
- SAE J 369

COMPLIANCES

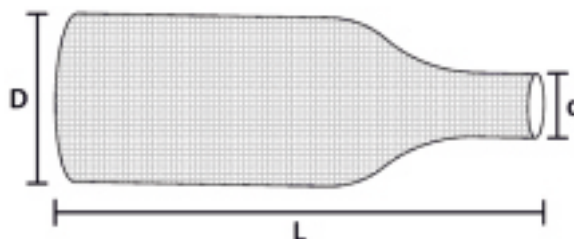


TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 175 °C	Pass
2.	Temp. / Humidity Cycle	SAE J 2192	No sign of visual degradation or changes
3.	Low Temp. Flexibility	SAE J 2192	
4.	Fluid Resistance	SAE J 2192	Pass
5.	Abrasion Resistance	SAE ARP 1536 A	More than 2,00,000 Cycles
6.	Flammability	FMVSS 302 SAE J 369	Self-Extinguishable

DIMENSIONS

Kiran Part Code	Nominal Size $\Phi - d$	Min. Expandability - D (mm)	Thickness	Standard Packing
11300000610C000	06.0mm	11.1mm	0.80mm \pm 0.1mm	500 Mtrs
11300000810C000	08.0mm	12.7mm		500 Mtrs
11300001010C000	10.0mm	12.7mm		300 Mtrs
11300001310C000	13.0mm	15.9mm		250 Mtrs
11300001610C000	16.0mm	19.1mm		250 Mtrs
11300001910C000	19.0mm	28.6mm		250 Mtrs
11300002510C000	25.0mm	31.8mm		200 Mtrs
11300003210C000	32.0mm	38.1mm		150 Mtrs
11300003510C000	35.0mm	41.3mm		100 Mtrs
11300003810C000	38.0mm	57.2mm		100 Mtrs
11300004510C000	45.0mm	63.5mm		75 Mtrs
11300005110C000	51.0mm	76.2mm		50 Mtrs
11300006410C000	64.0mm	76.2mm		25 Mtrs
(*) Maximum expansion ratio can be greater than value stated.				
(**) This is minimum guaranteed expansion. As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length.				
(***) Other diameters supplied upon request.				





PRODUCT DESCRIPTION

KIRAFLEX 1128/1128A is made of a combination of materials, including a larger nylon monofilament strand and a polyester monofilament. The right amount of flexibility, toughness, and resistance to abrasion is provided by this particular combination of materials. It provides a tough, practical, and dependable solution for a variety of applications. It is also exceptionally versatile, expandable and light weight.

PROPERTIES

SLEEVING MATERIAL

Polyester (PET) and Nylon (PA)
Monofilament and Polyester Multifilament

MONOFILAMENT

Polyester Multifilament
PET - 0.25mm & PA - 0.38mm

OPERATING TEMP

-70°C to +150°C

SIZES

4mm to 35mm

EXPANDABILITY

NA

STANDARD COLOR

Black and White

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

STANDARDS

- SAE J 2192
- SAE ARP 1536 A
- FMVSS 302
- SAE J 369

CORE APPLICATIONS

- Body Auto wiring Harness
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness
- Electrical Distribution System
- Tubing

COMPLIANCES

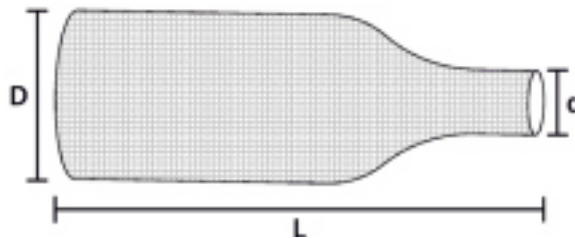


TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 175 °C	Pass
2.	Temp. / Humidity Cycle	SAE J 2192	No sign of visual degradation or changes
3.	Low Temp. Flexibility	SAE J 2192	
4.	Fluid Resistance	SAE J 2192	Pass
5.	Abrasion Resistance	SAE ARP 1536 A	More than 1,80,000 Cycles
6.	Flammability	FMVSS 302 SAE J 369	Self-Extinguishable

DIMENSIONS

Kiran Part Code	Nominal Size $\Phi - d$	Min. Expandability - D (mm)	Thickness	Standard Packing
11280000810C000	08.0mm	12.7	0.80mm \pm 0.1 mm	100 Mtrs
11280001010C000	10.0mm	14.5		100 Mtrs
11280001310C000	13.0mm	19.5		100 Mtrs
11280001610C000	16.0mm	25.4		100 Mtrs
11300001910C000	19.0mm	31.7		100 Mtrs
11300002510C000	25.0mm	45.2		50 Mtrs
11300003810C000	38.0mm	57.2		25 Mtrs
11300004510C000	45.0mm	69.5		25 Mtrs
(*) Maximum expansion ratio can be greater than value stated.				
(**)This is minimum guaranteed expansion. As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length.				
(***)Other diameters supplied upon request.				





PRODUCT DESCRIPTION

The KIRAFLEX 1121 braided sleeve is made of modified polyester monofilaments. Due to a unique treatment, these monofilaments have outstanding flame-retardant qualities. The "V0" classification means that it satisfies the strict flame resistance standard (UL 94 V0 flammability standard). This qualifies it for uses where wire bundle and tubing protection as well as fire safety are crucial.

SLEEVING MATERIAL

PET Polyester Monofilament

MONOFILAMENT

0.22mm

OPERATING TEMP

-70°C to +150°C

SIZES

3mm to 65mm

EXPANDABILITY

1:2 and 1:3 (As per Customer requirement)

STANDARD COLOR

Black and Other Colors on request

TRACER

Grey, Other Colors on request

FEATURES

- Flexible & Light Weight
- Excellent Noise suppression
- Flame Retardant
- High level abrasion Protection
- Mechanical & Chemical Resistance
- Oil Resistance
- Halogen Free

CORE APPLICATIONS

- Body Auto wiring Harness
- Instrumental Panel Harness
- Engine Compartment Harness
- Modular Wire Harness
- Electrical Distribution System
- Tubing

STANDARDS

- SAE J 2192
- ASTM D 4157
- FMVSS 302
- SAE J 369

COMPLIANCES

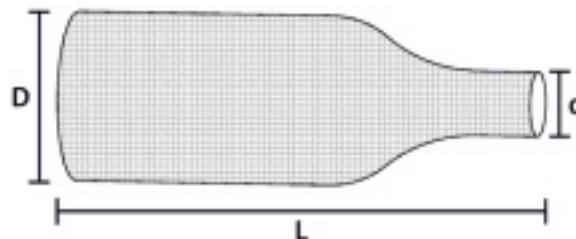


TECHNICAL CHARACTERISTICS

Sl. No	PROPERTIES	REF. SPECIFICATIONS	RESULT
1.	Temp. Rating	240Hrs for 175 °C	Pass
2.	Temp. / Humidity Cycle	SAE J 2192	No sign of visual degradation or changes
3.	Low Temp. Flexibility	SAE J 2192	
4.	Fluid Resistance	SAE J 2192	Pass
5.	Abrasion Resistance	ASTM D 4157	1,40,000 Cycles (Rating - 3)
6.	Flammability	FMVSS 302 SAE J 369	Self-Extinguishable

DIMENSIONS

Kiran Part Code	Nominal Size $\Phi - d$	Min. Expandability D (mm)	Thickness	Standard Packing
11200000610C000	06.0mm	12 - 13	0.50mm \pm 0.1mm	500 Mtrs
11200000810C000	08.0mm	16 - 17		500 Mtrs
11200001010C000	10.0mm	16 - 17		300 Mtrs
11200001310C000	12.0mm	18 - 19		250 Mtrs
11200001610C000	16.0mm	18 - 19		250 Mtrs
11200001910C000	20.0mm	25 - 26		250 Mtrs
11200002510C000	25.0mm	30 - 32		200 Mtrs
11200003210C000	30.0mm	37 - 40		150 Mtrs
11200003510C000	35.0mm	37 - 40		100 Mtrs
11200003810C000	40.0mm	50 - 53		100 Mtrs
11200004510C000	45.0mm	50 - 53		75 Mtrs
11200005110C000	50.0mm	65 - 70		50 Mtrs
11200006410C000	60.0mm	75 - 80		25 Mtrs
(*) Maximum expansion ratio can be greater than value stated.				
(**) This is minimum guaranteed expansion. As the inside diameter is coming closer to the maximum expansion, the sleeving shrinks in length.				
(***) Other diameters supplied upon request.				



www.kirandyog.com



KIRAN

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