

TRANSEAL

Hongshang



CPRI & KEMA Type Tested - "A Hongshang Product"



“Hongshang”---

“Hongshang” is One of Global Largest manufacturer of Heat Shrink Tubes and Cable accessories up to 33KV and is being exported to more than 60 countries and regions.

Hongshang Heat Shrinkable Materials Co..LTD is a full range of business solutions provider from design, development, production and service about cable accessories for the energy and electricity enterprises.

Hongshang was established in 1994 , the member of Chinese Isotope and Radiation Profession Association. Products covered the whole series of heat shrinkable cable accessories, cold shrink cable accessories, cast resin cable accessories, etc. Products comply with EU RoHS environmental standards and are widely used in medium-voltage & low-voltage transmission and distribution and insulation protection, as well as electronics, telecommunications, automobiles, ships and military and other industries. With high-quality products and services, Hongshang exported to more than 60 countries and regions. Hongshang brand has become the symbol of "high-quality cable accessories supplier".

Hongshang invest lot of money each year in new product research and development, and built Hongshang Research and Development Center based radiation modified polymer materials.

Compounding:

With strong background of research and development radiation modified polymer materials, we ourselves are producing and developing varieties of chemical formulations for different heat shrinkable products. The 7 sets of mixing facilities ensure the fine dispersion of components in each formulation and the homogeneously physical, Electrical and chemical properties in final products.

Radiation Crosslinking:

4 sets of powerful electron beam accelerators, the specially designed advanced under beam facilities can be easily adjusted to meet the requirements of different size and shaped products and ensure the homogeneous cross-linking of products.

Expansion:

Expansion is a very important and key process to obtain the final forms and dimensions of heat shrinkable products. With the equipments and technology from Europe, we can accurately control the dimensions, longitudinal charges and eccentricity of the final products.

R&D Center:

In accordance with the requirement of UL 224, Sony-SS-00259, RoHS compliance, and IEC, to test mechanical, thermal, electrical, chemical, flammable and fluid resistant performances of polymeric products. To meet the special requirement of power cable accessories products ,a high voltage laboratory to test the high voltage performance of power cable kits.

R&D:

The company invests lot of money each year in new product research and development, and built the most professional R&D center Hongshang Research and Development Center based radiation modified polymer materials.

R&D equipment

- Haake Polydrive Mixer
- PolyDrive Extruder

Electrical Laboratory:

- Partial Discharge
- Impulse voltage generator
- AC
- DC
- Heat Cycling

Mechanical property testers:

- Tensile Strength
- Elongation
- Modulus
- Yield strength

Thermal analysis machines

- DSC Melting point, Crystallinity, Crystallizing temp.
- TGA Heat stability Filler content Dynamic of polymer decomposition .

Currently operating equipment in our factory :

- VW-1
- Oxygen Index Tester
- Melt Index
- Density tester
- Atomic absorption
- Spectrophotometer
- UV Spectrophotometer analyzing the content of Cadmium, Mercury, Lead and total Chrome to meet and research ROSH requirement.

Tear and peel strength testing

- Cold bend
- Aging
- Heat Shock
- UV stability
- High voltage testing facilities up to 150KV as Required by IEC
- Testing facility as required by UL 224
- Testing facility as required by SEA-AMS-DTL

Heat shrink technology offers complete range of 1.1 KV to 36KV grades for PVC, XLPE, PILC and EPR cables.



“ TRANSEAL- HongShang ” is an Indian MOU Brand for Low Voltage and Medium Voltage Heat Shrink cable accessories as per KEMA Guide lines. For a wide range of cable designs , products are manufactured from cross linked materials which provide versatile solutions. Each tube has its own and special characteristic, with the use of stress grading mastic and stress control tube. The equipotential lines are harmonized and placing the anti tracking tube would finish a termination. Where as a joint completed by use of a dual layer tube (Insulating / Semiconducting) and an adhesive thick walled tube to restore outer jacket. Constant technological and material development to reduce the necessary kit components needed to complete a joint or termination for ease of installation. Few kit sizes cover a wide cross section range to minimize inventory values, with unlimited shelf life under normal storage conditions which are type tested by KEMA.

Stress control :

Electrical stress control tubes are used to smooth out the electrical field at the cable end achieved with unique resistive and capacitive properties of the heat-shrink material

Insulating and Anti tracking tube:

Insulating tubes are UV and water resistant , shall withstand reliably even when exposed to sudden temperature variations, with excellent tracking and erosion resistance characteristics.

- Insulating materials conform to Tracking and Erosion Tests as per ASTM D2303 and IEC 112

Sheds:

Sheds have excellent tracking and erosion resistance characteristics, to install several number of sheds, covering the most common and also extreme pollution levels creepage lengths above 40mm/kV are available.

Wrap Around Sleeve :

Heat Shrinkable Wrap around sleeve that is used for repairing damaged cable over sheaths on various types of cables. Provides excellent corrosion protection, UV and weather resistance makes it also ideal for LV cable joint outer protection.

Cold Termination Kits:

“ TRANSEAL-HONGSHANG ” Cold shrink termination Kits with track resistant, integral Hi-K stress control with silicon rubber insulators , which are prestretched around a coiled plastic core. Over a properly prepared cable the core is pulled out & the kit immediately shrink to cable dimensions, offering constant pressure , void free, tight durable seal, for a wide range of Indoor, outdoor terminations and straight joints



Indoor Terminations:

Compact design to with stand , high humidity, dust and Surface contamination under electrical stress

Outdoor Terminations:

Designed tUV radiation and pollution

Straight Joints:

The kit has field control material to control electrical stresses over the connectors and at the shield cutbacks. Insulating tubing and semi conducting tubing re-insulate and re-shield the areas over the spliced conductors. Tinned copper mesh and braid re-establish the metallic shielding o withstand extreme weather conditions, across the joint. A tough abrasion resistant black jacketing tube or wraparound jacketing sleeve provides the joint with external moisture seals and mechanical protection.

Separable Unscreened Connector:

Separable Unscreened Connector made of EPDM elastomer, is used for indoor and outdoor application. The main body is composed of inner conductive layer , insulating layer and outer conductive layer ,suitable for the connection of XLPE cables .

35kV plug-in type termination :

35kV plug-in type termination is applied for the connection to the transformer, switchgear, switch unit etc. with the function of insulation of SF6.. It is mainly composed of inner corn type epoxy insulating bushing and termination which is made of EPDM elastomer to guarantee the reliability for the long term working condition. characterized with simple assembly and 100% factory tested for the stress corn before shipment.





Heat Shrinkable Thin Wall Tubing :

Our heat shrinkable thin wall tubing is widely used for electrical insulation and protects in-line components, disconnect terminals, and splices with its high strength and excellent resilience. It bundles wires for very flexible light-duty harnesses as well as identifies or color-codes, cables, terminals and components.



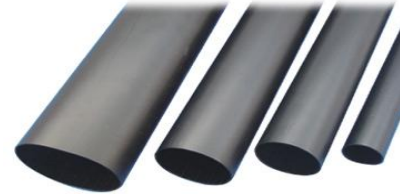
HBT Halogen Free, Heat Shrinkable Busbar Insulation

is medium wall heat shrinkable tubing. Made from specially formulated radiation crosslinked halogen free compounds so it can provide high resistance to tracking and arcing. Used to enhance the insulation properties of bus-bar in switch and substation to adapt to application in insulating medium voltage bus bars up to 11kV, 24kV, 36kV.



Dual Wall Tubing :

Specially designed to protect splices and joint of wire harness, and other components against environment damage.



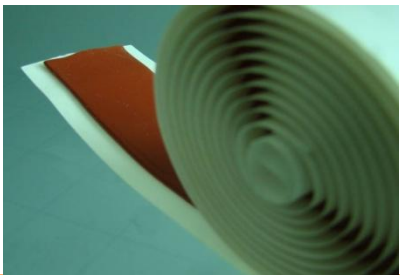
Stress Control Tubing :

Our stress control tubing is made from radiation crossed-linked polymeric material. The specially designed chemical formulation Allows it to control high electrical stress present at insulation screen terminals and power cables joints.



Heat Shrinkable Breakout :

HBR heat shrinkable cable breakout is made from radiation crossed-linked polyolefin. It offers electrical insulation, UV resistance and weather proofing. It is widely used in the electric power industry to provide insulation, binding force and sealing over the crutch of multi-core cables at branching points.



Mastic Tapes :

The anti-tracking sealing mastic is made from a non-toxic, butyl composite. The self amalgamating and solvent free make the mastic effectively used in sealing cable joints and terminations to provide waterproof and void-filling.

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