Exensor Protection Shrouds Catalogue 2011
(Formally Arkonia Systems Ltd)

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Exensor Plastisol Insulation Products

Exensor's insulation products are manufactured from Plastisol using dip moulding techniques. Plastisol is a version of Polyvinyl Chloride (PVC), to which plasticizers and UV stabilizers have been added. This means our range of products is moulded with good dimensional accuracy allowing for a close fit and positive retention in extreme conditions.

For outdoor installations Plastisol can withstand extreme temperatures and the prolonged effects of sunlight and has been proven in the field for over 15 years in North America.

Plastisol mouldings have excellent chemical, mechanical and electrical properties and are widely used by all the electricity supply industries; including all those in the UK, Ireland, parts of Europe, Australia and New Zealand. Indeed, transformer manufacturers are now specifying completely shrouded terminations when providing 'whole solution' products to their customers.

Exensor also offers a bespoke design service to provide our customers with particular mouldings to suit their individual needs. Prototypes of new designs are provided to check the fit and security of the new shroud prior to delivery of a main order.

Plastisol mouldings are ideally suited to provide protection for pole mounted plant terminations where they will reduce costly power outages and equipment failures caused by birds, squirrels, vermin and wind blown debris.

With the increasing use of polymeric surge arresters mounted directly on pole mounted transformers and re-closers, the need to protect a larger number of live links and terminations is of paramount importance.

Serious consideration needs to be given to the use of re-usable shrouds to eliminate these problems. Exensor shrouds also offer some protection against vandals and others intent on disrupting the power supply networks.

Another useful application is the permanent shrouding of D-irons and other low voltage (LV) distribution lines. Temporary shrouding LV lines is particularly important for providing protection for third party personnel when carrying out maintenance work in close proximity to live LV lines. The close fit of the shroud ensures they can be firmly fixed in place and will not be accidentally dislodged.

Exensor shrouds are also used internally on metal-clad switchgear and LV distribution boards to provide removable insulation protection for battery terminals, bus bars and associated terminations.

All Exensor shrouds can be easily fitted, removed and re-fitted as necessary and, using hot glove techniques where allowed.

Exensor Plastisol Information

The Plastisol used by Exensor Technology Ltd is a special formulation, which includes compounded Polyvinyl Chloride (PVC), plus additional additives such as plasticizers, stabilizers and fire retardant compounds. This formulation has been successfully used for more than 30 years. Other formulations of Plastisol are available to suit particular applications but it is recommended that Exensor are consulted if unusual or specific requirements are needed.

Mechanical properties and applications

Exensor Plastisol is a tough resilient, rubber-like coating or boot material having excellent abrasion and impact resistance. The coating hardness is generally 70 Shore A Durometer at 20°C, but can vary between 50 & 100 shore A Durometer. The coatings can be applied in any thickness between 0.75mm and 25mm depending on the method of application.
Reusable insulating boots must be mechanically strong since they are expected to withstand the rigors of repeated handling in indoor and outdoor conditions, sometimes in extreme weather conditions. Typically the boots will be removed and replaced several times for maintenance purposes. Such mechanical properties as good tensile, tear and bursting strength are, therefore, important as is abrasion resistance. To make reusable insulating boots it is necessary to have a metal mould and these can be designed and made to most requirements by Exensor.

Electrical Properties

The vinyl family of electrical insulating materials is a proven performer in the industry and is most widely used electrical insulation material in the world. Vinyl has been in use for more than sixty years with great success and it is difficult to name a replacement material that meets all of the technical and economic advantages. Together with excellent mechanical and chemical resistant properties, Exensor Plastisol provides high insulating and dielectric values. For instance, with coatings and boots, thickness of 3mm a dielectric strength in excess of 40kv can be obtained. Remember that dielectric strength varies as the reciprocal of the square root of the thickness of the material (ie; dielectric strength does not have a straight line relationship to the thickness).
Exensor Plastisol is used as insulation for bus bar joints and in some cases bus bars as well as many types of electrical insulating covers and fixtures; usually where safety and operational specifications require such protection.
The major application for Exensor Plastisol is reusable insulating boots where good dielectric strength combines with a tough, resilient material to provide excellent protection for major electrical installations. The material is used in both indoor and outdoor applications.
The usual choices for Exensor Plastisol depend on the application:- Red for indoor and Grey for outdoor installations. The Grey Plastisol has an ultra violet light stabilizer added to the primary mix to protect against weathering. The Red Plastisol does not have this additive, however, all other characteristics, including dielectric strength remain the same.

Weathering Properties

Exensor Plastisol reusable boots and covers have been checked after more than six years exposure to severe Canadian weather and were found to be in excellent condition.

Operating Temperatures

The maximum operating temperatures for Exensor Plastisol is 105°C. Operating Plastisol above this value, for any length of time, will cause loss of flexibility.
The minimum operating temperature is -40°C, however, the material will start to lose flexibility at about -20°C and where low temperature installation is necessary it is recommended that the material (usually boots) are kept in a warm place (e.g a vehicle) until the boot is ready to be installed.
It should be noted that although some flexibility is lost in extreme weather conditions all other properties are not effected.

Chemical Properties

Exensor Plastisol withstands strong mineral acids and alkalis, water, salt solutions, oxidising agents and reducing chemicals.

Shroud Material - Basic Specifications

- Grey PVC Plastisol
- Designed for UL180 and UL220 ratings with flammability rating UL94 class 94V-1
- UV stabilised
- Hardness range: 50 - 100 Shore at 200C
- Dielectric strength: 600 - 800 volts per mil in a 100mil coating
- Extensively used as an insulator in electrical systems up to 35kv

Exensor shrouds are designed to cover all the exposed live metal on all connectors and terminations, ensuring maximum protection against costly outages caused by birds, squirrels, vermin, vandals and wind blown debris etc. They can be left permanently in place and are also widely use as temporary shrouding for live-line working purposes.

All Exensor shrouds can be fitted, removed and re-fitted as necessary, using hot glove procedures meaning there is no need to break any connections.

All of Exensor's insulation shrouds can be supplied with pine clips. Order ARK1046 if required. Alternatively, they can be secured in place using tie-wraps or press fit ratchet rivets.

UVDB Utilities Vendor Database - Supplier Number: 75855

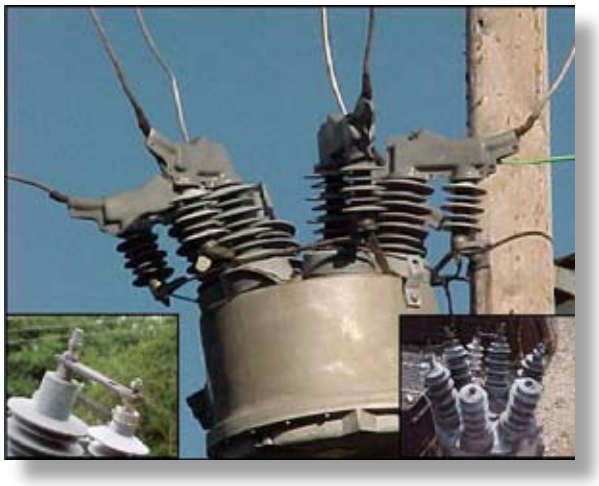
Exensor Technology Ltd is a listed member of the UVDB Utilities Prequalification Scheme. This is the supplier sourcing tool used by the UK utilities sector in selecting current and potential suppliers. The UVDB standard includes our company's prequalification for more than 60 utility companies in the electricity, gas, water and telecom sectors. This scheme demonstrates Exensor's commitment to Safety, Health, the Environmental and Quality (SHEQ) to the utility industry. Details of this comprehensive insight into Exensor's business in these areas may be viewed at www.achilles.com.

ISO 9001 NQA Registration - Certificate No 3397/1

Exensor Technology Ltd is an ISO 9001 Registered Company and as such, our Quality Management system has been assessed and registered by National Quality Assurance Ltd

Contents

Exensor Part No: ARK 269



Connection Type:
Whipp & Bourne
Pole-Mounted Reclosers GVR & PMR3
(15kv & 27kv)

Description:
ARK269 is a one piece shroud designed to cover the main terminal and associated copper busbar linked to a surge diverter fitted in line.
As an alternative to this shroud, ARK 1072 on page 18 can be used where up to 2 palm connectors are required.

Exensor Part No: ARK 1019, 20 & 21

Connection Type
Hawker Siddley
PMR3 Auto Recloser
(11kv & 22kv)

Description:
All 3 shrouds may be used in combination, dependent on the deployment of arcing horns and polymeric surge arresters. ARK019 is used on the main bushing to polymeric surge arrester. ARK1020 is used on the main bushing when an arcing horn is fitted. ARK1021 is used on the polymeric surge arrester.

Exensor Part No: ARK 1014

Connection Type:
GVR Auto Recloser
Fixed Position Shroud
For Multi-Angle Cable Entry
(see ARK1023 A&B)

Description:
ARK1014 is designed to protect the terminal connection on the main bushing and the surge arrester support bracket clamped to the terminal spiggot. This shroud is a fixed solution for cable entry from one direction. For multi angle entry please use ARK1023.

Exensor Part No: ARK 1017&18

Connection Type
Whipp & Bourne
GVR Auto Recloser (15kv & 27kv)

Description:
ARK1017 is designed to cover the terminal and cable connector when a 30° palm connector is used. ARK1018 is the optional shroud for a straight palm connector. These items can also be used with the ARK1023 when a surge arrester is fitted on the incoming side.

Exensor Part No: ARK 1027 & 1086

Connection Type
Whipp & Bourne
GVR Auto Recloser (15kv & 27kv)

Description:
ARK1027 is designed to completely cover the vertical entry clamp connector on the main bushing without surge arresters.
ARK 1086 is very similar in shape but has a cone on the side of the body for an alternative/additional cable arrangement.

Exensor Part No: ARK 1023/1039A&B

Connection Type
Whipp & Bourne GVR Auto Recloser (15kv, 27kv & 38kv)

Description:
ARK 1023B is designed to cover the terminal connection on the main bushing of the GVR Recloser and is shown as the lower one of the 2 shrouds. On top of this is the ARK 1023A covering the surge arrester support bracket which is clamped to the terminal spiggot. ARK 1039 A&B are very similar but are made to fit larger connectors. ARK 1039A is 15mm longer in the main body and ARK 1033B caters for a larger surge arrester termination (65 x 65 x 85 as opposed to 54 x 54 x 75).

Exensor Part No: ARK 1049 A&B

Connection Type
Whipp & Bourne
GVR Auto Recloser (15kv & 27kv)

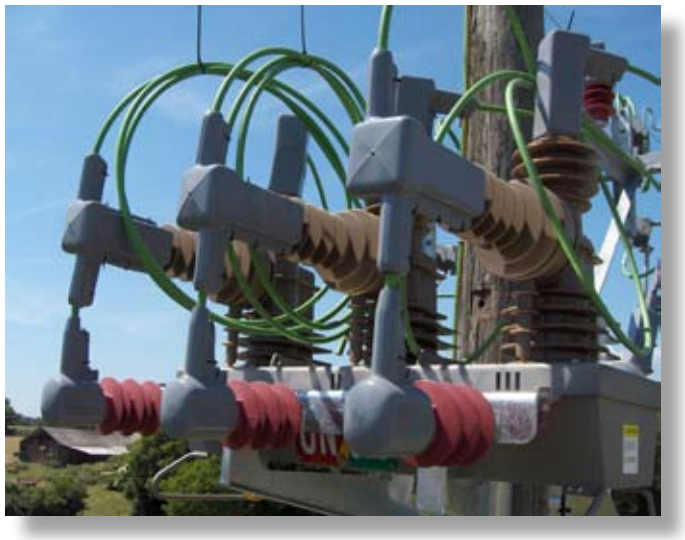
Description:
The ARK 1049 A&B combination is for a variant fitted with a Pfisterer cable clamp connector and surge arrester support bracket on the terminal spiggot. The ARK 1049B would fit the main bushing and the ARK 1049A would go on top. It should be noted that the picture shows an ARK1049B fitted onto an ARK 1023A shroud. The ARK 1049A does not have a cone on the surge arrester termination to allow for an alternative cable arrangement.

Exensor Part No: ARK 1044

Connection Type
Nu-Lec Auto Recloser (11kv & 33kv)

Description:
The ARK1044 shroud is designed to cover the main in-line connections on the older style Nu-Lec reclosers or on pole mounted transformers.

Exensor Part No: ARK 1081 & 1090



Connection Type
Nu-Lec U Series Auto Recloser T Shroud (11kv & 33kv)

Description:
The ARK1081 is designed to insulate the T junction connection on the Nu-Lec U series of auto reclosers. It can be used in conjunction with the ARK 1090 (see page 21) which is fitted to the surger arresters below the T connection.

Exensor Part No: ARK 1082

Connection Type
Nu-Lec U Series Auto Recloser Right Angle (11kv & 33kv)

Description:
ARK1082 is designed to insulate the right angle connection on the Nu-Lec U Series of auto reclosers. As can be seen in the picture above right, it is fitted here with tie-wraps in stead of pine tree clips.

Exensor Part No: ARK 1083

Connection Type
Nu-Lec U Series Auto Recloser VT Vertical Entry (11kv & 33kv)

Description:
ARK1083 is designed to cover the HV bi-metallic lug connection on the Voltage Transformer as shown above right or they can be used to insulate the vertical entry connection on the recloser itself if it has an in-line termination.
See ARK 1085 on following page for EMEK VT variant.

Exensor Part No: ARK 1085

Connection Type
Nu-Lec U27-12 Auto Recloser VT Vertical Connection and EMEK VT (11kv & 33kv)

Description:
ARK1085 is designed to insulate the VT vertical entry connection used with the Nu-Lec series of auto reclosers. ARK1085 has a longer cable entry cone and shorter box section than the ARK 1083. It is also used on the EMEK VT.

Exensor Part No: ARK 1084

Connection Type
Nu-Lec U27-12 Auto Recloser VT Connector Shroud(11kv & 33kv)

Description:
ARK1084 is designed to insulate the VT termination when used with an angled connector on the Nu-Lec series of auto reclosers.

Exensor Part No: ARK 1105

Connection Type
Nu-Lec U Series
Auto Recloser
(11kv & 33kv)

Description:
ARK1105 is designed to cover the main in-line connections when using a Schneider cross-grooved clamp connector.

Exensor Part No: ARK 1013

Connection Type:
Cooper FXA Recloser
(11kv)

Description:
ARK1013 is designed to protect the cable connection which is a clamping arrangement. The shroud is also provided with additional outlets to cater for connections to auxillary equipment such as a Voltage Transformer for remote control.

Exensor Part No: ARK 1123

Connection Type
Hawker Siddeley Horizon Circuit Breaker
Palm Connector (35kv)

Description:
ARK1123 is used to protect the straight palm connector on the circuit breaker.

Exensor Part No: ARK 1137, 38 & 39

Connection Type
FKI Horizon Outdoor Circuit Breaker (38kv max voltage, 1250/2000 amps)

Description:
This three-piece shroud is designed to cover the expansion type connection clamp used on circuit breakers where tubular bus bars are installed. Together with ARK1068 50mm dia split tubing, it gives complete protection.

Exensor Part No: ARK 1224

Connection Type
Circuit Breaker Shroud

Description:
ARK1224 is used to protect the exposed power circuitry breaker connection. It is appreciably larger than the ARK1139 and is used in conjunction with the ARK1137 and ARK1138.

Exensor Part No: ARK 1054, 55 & 56

Connection Type
GEC Circuit Breaker (33kv)

Description:
This 3 piece shroud is designed to completely cover expansion type connectors used on circuit breakers where tubular bus bars are installed. The ARK1055 box section is appreciably larger than the ARK1139. The addition of ARK1068 50mm dia split tubing gives complete protection.

Exensor Part No: ARK 1201

Connection Type
Universal OX Breaker Cable Clamp Shroud

Description:
ARK1201 is used to cover the cable clamp connection on the OX circuit breaker system.

Exensor Part No: ARK 1228

Connection Type
OX Breaker

Description:
ARK1228 is used to protect the bus bar connection to the circuit breaker. This shroud is designed to insulate the complete connection and requires only the use of a single ARK1068 50mm dia split tubing to ensure complete protection.

Exensor Part No: ARK 1016

Connection Type
Pauwels Transformer

Description:
ARK1016 is designed to cover the terminal and cable lug on the VT bushing.

Exensor Part No: ARK 1038

Connection Type
Pauwels (South Wales)
Pole-Mounted Transformer
(11kv & 22kv)

Description:
Designed to cover exposed bare metal and enclose the HV termination, it incorporates a skirt to cover most of the arcing horn.

Exensor Part No: ARK 1072

Connection Type
Pole-Mounted Transformers (11kv)
(Whipp & Bourne GVR, Standard ESI or
Pauwels Transformers)

Description:
The ARK 1072 is designed to cover the HV bushing and surge arrester terminals, interconnecting bus bar and at least two palm connectors.

Exensor Part No: ARK 1124

Connection Type
Pauwels PMT 60° Palm Connector (35kv)

Description:
ARK1124 is used to protect the 60° palm connector on pole-mounted transformers.

Exensor Part No: ARK 1218

Connection Type
Pauwels Transformer (33kv)

Description:
ARK1218 is used to protect the connecting insulated rod on the transformer.

Exensor Part No: ARK 1219

Connection Type
Pauwels Transformer (33kv)

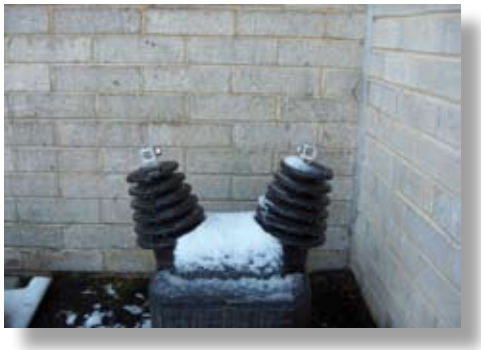
Description:
ARK1219 is used to protect the cable connection point on top of the transformer.

Exensor Part No: ARK 1225

Connection Type
Multi-Purpose Bus Bar Transformer Connection Shroud (Pauwels Belgium)

Description:
ARK1225 is used to protect the bus bar connection in the nacelle section of a wind turbine generator transformer. This multi-purpose shroud is designed to cater for top and side entry of cables and bus bar tubing alike.

Exensor Part No: ARK 1223



Connection Type
ABB VOY-20 Transformer Bushing (11kv)

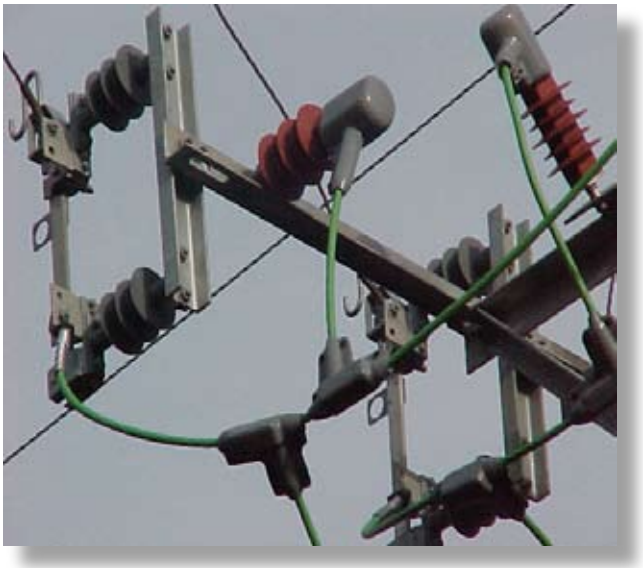
Description:
ARK1223 is used to protect the exposed connection on top of the transformer.

Exensor Part No: ARK 1008

Connection Type:
Pole-Mounted Polymeric Surge Arresters
(11kv)

Description:
ARK1008 is designed to cover the metal cap, lug and straight palm connector of polymeric surge arresters and can be used in conjunction with other pole-mounted plant such as transformers and reclosers.

Exensor Part No: ARK 1090



Connection Type
Surge Diverter (11kv & 33kv)

Description:
ARK1090 is designed to insulate the surge diverter connection. It can be seen fitted on the pole mounted assembly above right, with the ARK1009 L-tap shrouds below.

Exensor Part No: ARK 1031

Connection Type
Pole Mounted VT (11kv)

Description:
ARK1031 is designed to completely cover the main terminal and connectors.

Exensor Part No: ARK 1001

Connection Type:
Standard Pole-Mounted Transformer (11kv)

Description:
ARK1001 is a one piece shroud designed to cover the terminal on the HV bushing when a 30° Palm connector is used and it includes an arcing pocket for complete protection.

Exensor Part No: ARK 1005

Connection Type:
Pole Box Terminal (11kv)

Description:
ARK1005 is a one piece shroud designed to cover the terminal stud and straight palm connector.

Exensor Part No: ARK 1033 & 34

ARK1034 ARK1033

Connection Type
Standard Pole-Mounted Transformer with Surge Arrester (11kv)

Description:
These two shrouds are designed to cover the terminal on the HV bushings (ARK1033) and the terminal on the locally mounted surge arresters (ARK1034). They can also be used in conjunction with 20mm dia split tubing (ARK1006).

Exensor Part No: ARK 1037

Connection Type
Standard Pole-Mounted
Transformer with Earth Bar (11kv)

Description:
The ARK1037 shroud is designed to cover the terminal on the HV bushing, including the connector and earthing bar.

Exensor Part No: ARK 1012

Connection Type:
Standard ESI Pole-Mounted Transformer with Surge Arrester (11kv)

Description:
ARK1012 is designed to cover the terminal and surge arrester connection on the HV bushing when a 30° palm connector is used.

Exensor Part No: ARK 1043 & 1119

Connection Type
Standard ESI Pole-Mounted Transformer (11kv)

ARK 1043 - HV Bushing
ARK 1119 - Arcing Horn (tail piece)

Description:
The ARK1043 shroud is designed to cover the HV bushing when a 30° palm connector is used. It can be combined with an ARK1119 to cover the arcing horn, as shown above, completely covering all exposed bare metal. ARK1119 is supplied in 450mm lengths and cut to size as required.

Exensor Part No: ARK 1063

Connection Type
Standard ESI
Pole-Mounted Transformer (11kv)

Description:
ARK1063 is designed to cover the terminal and connector on the HV bushing and to cater for different types of connector including the 30° palm style.

Exensor Part No: ARK 1064

Connection Type
Pole-Mounted Transformer
South Wales Euro Type (11kv)

Description:
ARK1064 is a one piece shroud designed to cover the HV bushing surge arrester terminals, interconnecting bus bar and 30° palm connector.

Exensor Part No: ARK 1077

Connection Type
Standard Pole Top Termination (11kv)

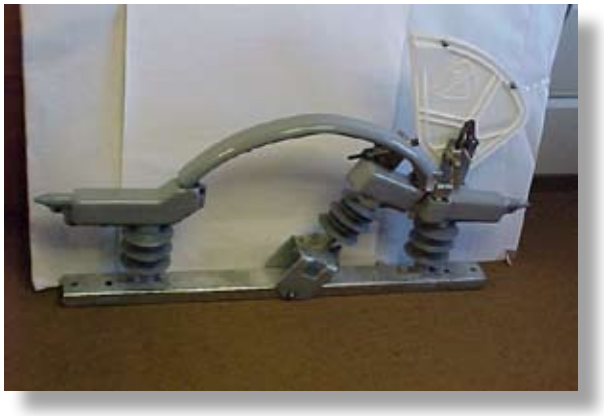
Description:
ARK1077 is designed to cover the open live terminals on a standard pole top termination when a surge arrester is used as a stand off insulator.

Exensor Part No: ARK 1126

Connection Type
Transfomer Connector Shroud

Description:
The ARK1126 shroud is used as a generic shroud on transformer connections up to 35kv.

Exensor Part No: ARK 1114, 15, 16 & 17



Connection Type
Pole-Mounted Power Isolator
RX Switch (11kv)

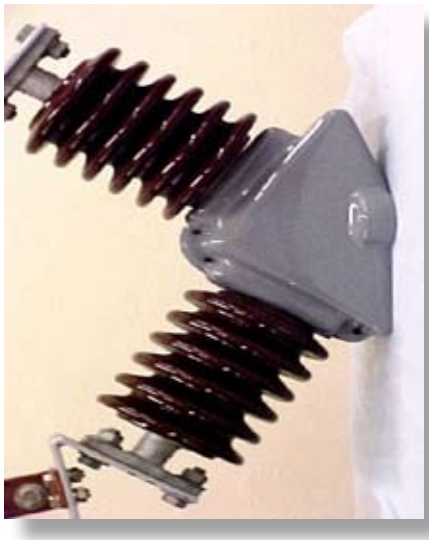
Description:
A combination of four shrouds designed to insulate all live metal including the moving arm contact and terminations.

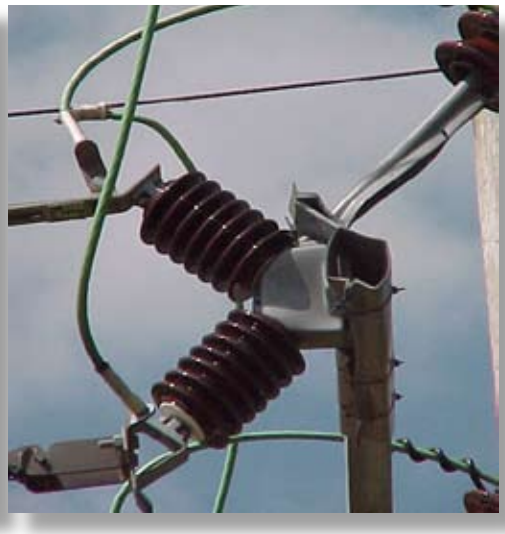
Exensor Part No: ARK 1002

Connection Type:
L E L Expulsion Type Dropout Fuse

Description:
ARK1002 is a one-piece shroud designed to cover the metal base of the fuse.

Exensor Part No: ARK 1003





Connection Type: SWS Dropout Fuse

Description:
ARK1003 is a one-piece shroud designed to cover the metal base of the fuse.

Exensor Part No: ARK 1004

Connection Type:
S & E Dropout Fuse (11kv)

Description:
ARK1004 is a one-piece shroud designed to cover the metal base of the fuse.

Exensor Part No: ARK 1011

Connection Type:
GEC Dropout Fuse (11kv)

Description:
ARK1011 is designed to cover the metal base of the fuse.

Exensor Part No: ARK 1015

Connection Type
GEC Dropout Fuse (11kv)

Description:
ARK1015 is designed to cover the metal base of the fuse.

Exensor Part No: ARK 1010/1045/1060

Connection Type:
Pole Top Termination (11kv & 22kv)

Description:
ARK1010 is designed to enclose the overhead line termination. The shroud covers all exposed live metal including both connectors and the earth bar, ensuring maximum protection. An additional feature of this item is that the lower section can be opened by using a 'hot stick' thereby enabling access to the earth bar for an earth clamp.

ARK 1045 and ARK 1060 have slightly different dimensions to suit variations in these type of terminations.

Exensor Part No: ARK 1030

Connection Type
Pole Top Termination (11kv & 22kv)

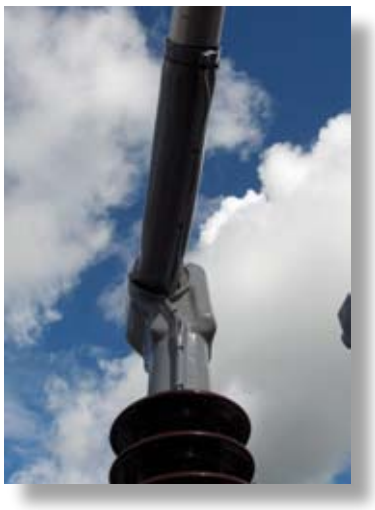
Description:
ARK1030 is designed to enclose the overhead line termination and the shroud covers exposed live metal, including both connectors and bi-metal spacer, ensuring maximum protection.

Exensor Part No: ARK 1042 & 59

Connection Type
Standard Pole Termination (11kv & 22kv)

Description:
The ARK 1042 and ARK 1059 are very similar but with slightly differing dimensions. This shroud is designed to completely enclose the overhead line termination.

Exensor Part No: ARK 1211



Connection Type
90mm Bus Bar Bushing Clamp
(shown here with ARK1217 split tubing)

Description:
ARK1211 is a shroud designed specifically for bus bar bushing clamps and catering for those connections with an offset angle.

Exensor Part No: ARK 1203

Connection Type
Expansion Connector Shroud

Description:
ARK1203 is used to protect the bus bar connection to the HV bushing. Used in conjunction with ARK1202 on the bus bar installation.

Exensor Part No: ARK 1204

Connection Type
2 Way Bus Bar Clamp (33kv)

Description:
ARK1204 is used to protect the bus bar connections across the top of the HV bushing. Used in conjunction with ARK1202 split tubing will give maximum protection.

Exensor Part No: ARK 1205

Connection Type
Universal Bus Bar Clamp (33kv)

Description:
ARK1205 is a universal shroud to fit the bus bar clamp connections across the top of the HV bushing. Used in conjunction with ARK1202 split tubing will give maximum protection.

Exensor Part No: ARK 1006

Connection Type: 1.5m length x 20mm internal dia split tubing for general purpose low voltage lines. Supplied as 3 x 0.5m lengths for economy, ease of fitment and elimination of sagging.
Generally used on 11-33kv lines.

Description:
ARK1006 is a split tubing shroud used to cover bare jumpers and conductors local to pole tops and pole mounted plants. Shown here with an ARK1048 shroud protecting a D-Iron. This tubing can be used in conjunction with a number of the shrouds from our range. It is very flexible, enabling the tubing to be used on tight bends.

Exensor Part No: ARK 1202

Connection Type
30mm Dia Split Tubing (33kv)
Supplied in 3 x 0.5m lengths (overall 1.5m long) for economy, ease of fitment and to reduce sagging

Description:
ARK1202 is used to cover the bus bars on sub-stations and is used in combination with ARK1203 and ARK1204 shrouds. Very flexible, enabling the tubing to be used on tight bends.

Exensor Part No: ARK 1206

Connection Type
40mm Dia Split Tubing
(supplied in 3 x 0.5m lengths)

Description:
ARK1206 is a split tubing designed to cover cables or bus bar tubing up to 40mm dia. Supplied in 3 x 0.5m lengths for ease of installation and to reduce sagging.

Exensor Part No: ARK 1068

Connection Type
50mm Dia Split Tubing
(supplied in 3 x 0.5m lengths)

Description:
ARK1068 is a split tubing designed to cover cables or bus bar tubing up to 50mm dia. Supplied in 3 x 0.5m lengths for ease of installation and to reduce sagging.

Exensor Part No: ARK 1113

Connection Type
75mm Split tubing
(Supplied in 2 x 0.5m lengths to reduce sagging)
(Shown here with ARK1055/56/57)

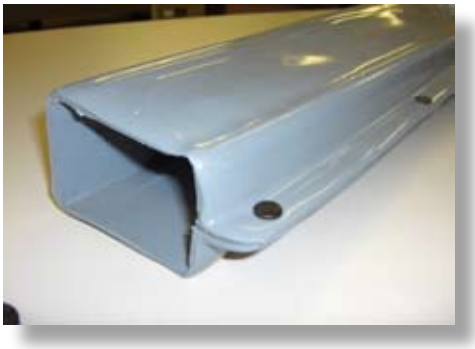
Description:
ARK1113 is a split tubing shroud to cater for busbar tubing in sub-stations. Split tubing is available in various sizes to cater for all busbar applications.

Exensor Part No: ARK 1217

Connection Type
100mm dia Bus Bar Split Tubing.
(Supplied as 0.5m length)
(shown here with ARK1211)

Description:
ARK1217 is a 500mm length of split tubing designed to protect the larger bus bar tubing used at sub stations.

Exensor Part No: ARK 1007



Connection Type:
60mm x 80mm Box Section Split Tubing
(supplied as 2 x 0.5m lengths for ease of fitment)

Description:
ARK1007 is designed to cover square or round bus bar tubing as well as multiple cables connected to distribution equipment. Supplied as 2 x 0.5m lengths for ease of handling and installation. Various sizes are available on request.

Exensor Part No: ARK 1053 & 62

Connection Type
Standard Pin Insulator (11 & 33kv)

ARK1062 for larger diameter cables

Description:
ARK1053 is designed to cover the head of the insulator, including the semi-conductor glazed section and cable when used in conjunction with ARK1006 20mm dia split tubing. The ARK 1062 has longer arms than the ARK 1053 and the aperture can be used with larger diameter cables.

Exensor Part No: ARK 1048

Connection Type
LV Distribution D-Irons (LV - 11kv)

Description:
The ARK1048 shroud is designed to cover D-Irons attached to poles or buildings. It can be used as shown above with ARK1006 20mm dia split tubing.

Exensor Part No: ARK 1213, 14 & 15

Connection Type
Porcelain Bushing Protection Shrouds
ARK 1213 - 110mm int dia
ARK 1214 - 140mm int dia
ARK 1215 - 120mm int dia

Shroud Material Specification:
Black 33 PVC Plastisol

Description:
These shrouds are tough durable discs used to protect porcelain insulators/bushing from damage caused by vandals.
Available in 3 sizes to fit any size bushing. These items can be fitted and removed easily without any need to break the connections and can be easily secured in place using small tie-wraps.

Exensor Part No: ARK 1057

Connection Type
BICC Crimped L Tap Connector
(15kv & 33kv)

Description:
ARK1057 is designed to cover the BICC type crimp when used on covered conductor networks. It restores the insulation integrity of the covered line by fully covering the bare live metal of the crimp connector.

Exensor Part No: ARK 1009

Connection Type:
L-tap Connector (11kv & 22kv)

Description:
ARK1009 is designed to protect the junction formed by a standard crimped L-tap connector and can be used in conjunction with ARK1006 split tubing.

Exensor Part No: ARK 1025 & 26

ARK1025 ARK1026

Connection Type
ABB Sectos Switch (11kv)

Description:
ARK1025 is designed to cover the terminal, terminal bracket and 30° palm connector on the main HV bushing. ARK1026 is used to cover the bus bar terminal when a surge arrester is fitted to the Sectos Switch.

Exensor Part No: ARK 1200

Connection Type
EFM Balun Shroud

Description:
The ARK1200 shroud is designed to cover exposed live metal on the connection to the EFM Balun equipment.

Exensor Part No: ARK 1041

Connection Type
Gun Style Insulated Tensioned Anchor Clamp - 4 Bolt

Description:
The ARK1041 shroud is designed to insulate the 4 bolt anchor clamp.

Exensor Part No: ARK 1052

Connection Type
Gun Style 3 Bolt Cable Anchor (11kv)

Description:
The ARK1052 shroud (used in conjunction with ARK1006 20mm dia split tubing as shown) is used to protect both cable and anchor.

Exensor Part No: ARK 1040

Connection Type
Temporary Earth Cable Clamp Shroud

Description:
The ARK1040 shroud is designed to insulate the earthing cable clamp on a temporary basis. Also known as the 'finger shroud'. It is supplied in red for visibility and for low voltage applications.

Fitted using a push on/pull off method.

Exensor Part No: ARK 1051

Connection Type
Enfield Heavy Duty
Cutout Shroud (11kv)

Description:
The ARK1051 shroud is used to protect the exposed lug on the Enfield heavy duty cut-out equipment. Maunfactured in red for visibility and indoor use.

A simple push on/pull off shroud that is very easy to use.

Exensor Part No: ARK 1065

Connection Type
Temporary Shroud for LV Live Line
(Illustrated in black but usual colour is grey for outdoors and red for indoors)

Description:
ARK1065 is designed to be used as a temporary shroud for LV line work and training purposes. The stepped moulding can be used for a number of cable sizes and can be supplied in any colour.

Exensor Part No: ARK 1101

Connection Type
Battery Terminal and Link Cover

Description:
ARK1101 is designed to cover the main battery terminals and link covers as recommended by BS 6133:1995. Designed to protect terminal pillars and connectors against accidental short circuits when carrying out maintenance work. These covers are designed to be a temporary fitment but can be left permanently in position if so desired.
Manufactured in red for visibility and indoor use.

Exensor Part No: ARK 1226

Connection Type
Atlas 120.2E Crane Square Tubing
(Supplied in 4 x 0.5m lengths)

Description:
ARK1226 shroud is a 4-piece shroud designed to insulate the top most section of the ATLAS 120.2E crane arm. Internal dimensions are 270mm x 90mm. Designed as a safety precaution against the crane arm contacting low level power/telephone lines in urban areas. These items can be fitted and removed easily without disturbing any of the mechanics attached to the crane arm.

Exensor Part No: ARK 1227

Connection Type
Atlas 120.2E Insulating Sheet (supplied as 4 parts - 300mm x 500mm)

Description:
ARK1227 is supplied as 4 sheets designed to insulate the larger upper portion of the ATLAS 120.2E crane arm. Each sheet can be cut to fit and secured to other sheets using ARK1240 self fit rivets. Designed to insulate the crane when being operated in urban areas with low level power/telephone lines.
These items can be fitted and removed easily without disturbing any of the mechanics attached to the crane arm.

Exensor Part No: ARK 1058

Connection Type
PESCI Truck Mounted Crane (11kv)
1.5m long (supplied in 3 x 0.5m lengths for ease of fitment)

Description:
ARK1058 is designed to cover the end section of the crane jib to provide secondary protection and preventing short circuits in the unlikely event of accidental contact with overhead power lines. Manufactured in 3 parts for ease of fitment.

Exensor Part No: ARK 1046

Connection Type
Pine Tree Clip

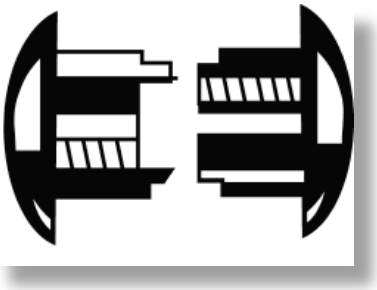
Description:
The ARK1046 is used to secure shrouding in place and to reduce the chance of the item falling off in high winds or becoming dislodged. It will not crush or damage soft or brittle materials and does not require tools to fit, although we can supply insulated pliers for this purpose. See item ARK 1246.

Exensor Part No: ARK 1246

Connection Type
Pine Tree Clip Pliers

Description:
The ARK1246 is a heavy duty plastic set of pliers with a hole in one jaw. It is used to ease fitment of pine tree clips.

Exensor Part No: ARK 1247



Connection Type
Press Fit Ratchet Rivet

Description:
The ARK1246 is an alternative method to securing shrouding in place and to reduce the chance of the item falling off in high winds or becoming dislodged. It is a two-part ratchet-locking construction requiring no tools to fit. It will not crush or damage soft or brittle materials.