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POWER CABLE ACCESSORIES POWER CABLE ACCESSORIES

GENERAL CATALOGUE
CATALOGO GENERAL

ACCESORIOS PARA CABLE DE ENERGÍA ACCESORIOS PARA CABLE DE ENERGÍA

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elcon megarad

POWER CABLE ACCESSORIES GENERAL CATALOGUE

ACCESORIOS PARA CABLE DE ENERGíA CATALOGO GENERAL

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SI CERTIFICA CHE IL SISTEMA QUALITA' DI
WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY

ELCON MEGARAD SPA

VIA AMORETTA PARCO SAN NICOLA 6/E - 83100 AVELLINO (AV)

UNITA' OPERATIVE
OPERATIVE UNITS

VIA AMORETTA PARCO SAN NICOLA 6/E - 83100 AVELLINO (AV)
VIA NAZIONALE 110 - 83030 ARCELLA (AV)
Z.I. - VIA PROVINCIALE MOSCUSO - 81049 MIGNANO MONTE LUNGO (CE)
VIA DEL MARE 2/D - 00040 POMEZIA (RM)

E' CONFORME ALLA NORMA
IS IN COMPLIANCE WITH THE STANDARD

ISO 9001:2000

PER LE SEGUENTI ATTIVITA'
FOR THE FOLLOWING ACTIVITIES

Progettazione, sviluppo, fabbricazione, assistenza di: guaine in poliolefine termorestringenti per applicazioni elettriche ed elettroniche. Progettazione e produzione di corredi per giunti e terminali per cavi elettrici di energia e telecomunicazioni, di sistemi di collegamento per apparati di misura e segnalamento, di resine e isolatori per l'isolamento elettrico. Produzione di miscele, mastici e nastri per l'isolamento elettrico

Design, development, production, assistance for: heat shrinkable polyolefin sleeves suitable for electronic and electrotechnical applications. Design and production of kits for joints and terminals for energy electric cables and telecommunications, connection systems for measure and signalling equipments, of resins and insulators for the electric insulation. Production of mixtures, mastic and tapes for electric insulation

Riferirsi al manuale della qualità per l'applicabilità dei requisiti della norma ISO 9001:2000
Refer to quality manual for details of applications to ISO 9001:2000 requirements

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI QUALITA' E DI GESTIONE DELLE AZIENDE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR THE CERTIFICATION OF COMPANY QUALITY AND MANAGEMENT SYSTEMS

PRIMA EMISSIONE
FIRST ISSUE
2003-03-31

EMISSIONE CORRENTE
CURRENT ISSUE
2007-03-27

DATA SCADENZA
EXPIRY DATE
2009-12-14

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO

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THE INTERNATIONAL CERTIFICATION NETWORK

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hereby certify that the organization
ELCON MEGARAD SPA

VIA AMORETTA PARCO SAN NICOLA 6/E - 83100 AVELLINO (AV) Italy
VIA NAZIONALE 110 - 83030 ARCELLA (AV) Italy
Z.I. - VIA PROVINCIALE MOSCUSO - 81049 MIGNANO MONTE LUNGO (CE) Italy
VIA DEL MARE 2/D - 00040 POMEZIA (RM) Italy

for the following field of activities

Design, development, production, assistance for heat shrinkable polyolefin sleeves suitable for electronic and electrotechnical applications. Design and production of kits for joints and terminals for energy electric cables and telecommunications, connection systems for measure and signalling equipments, of resins and insulators for the electric insulation. Production of mixtures, mastic and tapes for electric insulation

Refer to quality manual for details of applications to ISO 9001:2000 requirements

has implemented and maintains a
Quality Management System
which fulfills the requirements of the following standard

ISO 9001:2000

Issued on: 2007 - 03 - 27

Registration Number: IT - 31034

CISQ

Gianrenzo Prati
President of CISQ

IQNet

Rene Wasmer
President of IQNET

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COMPANY PROFILE

- Elcon Megarad was established in 2002, by Elcon and Megarad merging, two company leaders in manufacturing products for electric insulation.
- Elcon Megarad designs and manufactures power cable accessories for low and medium voltage up to 36 kV.
- The company core resource is the high voltage laboratory, where it is possible to carry out all tests according to IEEE, CENELEC or IEC standards.
- Elcon Megarad's strength is its capability to customize products for any type of technical requirement.
- Elcon Megarad is able to provide power cable accessories using rubber mouldings, injected or poured resins, heat shrinkable and cold shrinkable technologies.

PERFIL DE LA COMPAÑIA

- Elcon Megarad nace el 2002 de la fusión de Elcon y Megarad dos compañias lideres en manufacturas de productos eléctricos con mas de 21 años de experiencia.
- Elcon Megarad diseña y produce accesorios para cables de potencia en media tensión hasta 36 kV.
- La compañia cuenta con laboratorios de alto voltaje, donde es posible realizar pruebas tales como IEEE, Cenelec y IEC estandar.
- La fortelaza de Elcon Megarad está en su capacidad de adaptar productos a cualquier requerimiento técnico del cliente
- Elcon Megarad es capaz de proveer accesorios para cable de potencia utilizando la mas alta tecnologia en resinas, termocontraibles y contraibles en frio.

GENERAL INFORMATION

•Registered Office

Via Amoretta, 6/E - Parco S. Nicola
83100 - Avellino - Italy
Tel.: + 39.0825.6077
Fax: + 39.0825.607782

•Web site, e-mail

www.elconmegarad.com
elcon@elconmegarad.com

•Commercial Office

Via del Mare, 2D
00040 - Pomezia (Rome) - Italy
Tel.: +39.06.91802015
Fax: +39.06.91251302

•Quality Certification

ISO 9001
Certified by CISQ/IMQ CSQ and CISQ/RINA

•Factories

Nucleo industriale
83030 - Arcella (Avellino) - Italy
Total Area: 11000 m2

Via Provinciale Moscuso, zona industriale
81049 - Mignano Montelungo (Caserta) - Italy
Total Area: 18000 m2

•Products

- Resin, heat shrinkable and cold shrinkable medium and low voltage power cable accessories
- Mastics and tapes for sealing and electrical applications
- Rubber and thermoplastic injection moulding parts
- Heat shrinkable and cold shrinkable tubes and shapes

•Laboratories

Chemical labs:
Chromatography
Calorimetry
Thermo-gravimetry
Cryostatic analysis
Infrared

Electric labs:
B.I.L. test (up to 400 kV)
Withstand voltage tests
(up to 300 kV)
Partial discharge test
Thermal cycling test
Low and hight voltage
tracking tests
Humidy and salt fog tests

Physical labs:
Tensile strength test
Ultimate elongation test
Torsion test
Impact test

POWER CABLE ACCESSORIES TECHNOLOGY

Designing and production of power cable accessories, joints and terminations, has been the speciality of our company since 1981. Elcon Megarad focuses on customer-made designs to meet specific requirements based on material, installation procedures, specifications and standards.

Debido a la experiencia adquirida desde 1981, Elcon Megarad tiene la capacidad de diseñar y producir accesorios para cables de energía, terminales y empalmes, de alta calidad y performance. Nos hemos especializado en diseñar productos segun las necesidades de cada cliente cumpliendo los requerimientos específicos en materiales, procedimientos de instalación, especificaciones técnicas y normas.

Production follows three basic steps / Tres pasos de produccion:

- ***Design / Diseño***
- ***Testing / Pruebas***
- ***Assembling / Ensamblaje***

Design / Diseño

On the basis of technical specification required by the customer, the cable accessory kit is designed, including a bill of components and installation instructions.

En nuestros laboratorios de diseño, se realiza el projecto de los kit es conjunto con las instrucciones de instalacion segun las necesidades de cada cliente.

Testing / Pruebas

In this stage the kit is prepared and installed on the cable. Then, modified or approved according to results. In our H.V. laboratory it is possible to carry out testing according to any IEC, CENELEC or IEEE standards.

En nuestros laboratorios, los projecto son ensayados y puestos a prueba, aprobadolos, o modificandolos de ser necesarios, para que cumplan con las normas estandares IEC, CENELC e IEEE.

Assembling / Ensamblaje

Once, the accessory has passed the tests and has been approved, the kit is assembled according to the bill of components. Number of components in a kit varies from a few items, in low voltage cable accessories, to 30-40 items, for instance in 36 kV three core armoured cable joint kits.

Pasado las pruebas de ensayo y superadas las mismas, el kit es ensamblado de acuerdo al diseño. El numero de componentes varía de acuerdo al kit proyectado.

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LOW VOLTAGE CABLE ACCESSORIES
ACCESORIOS PARA CABLES DE BAJA TENSION

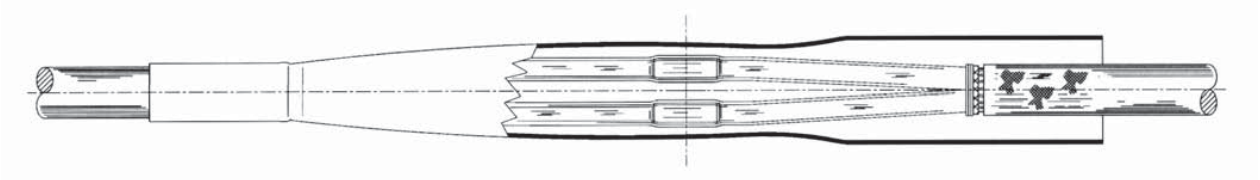
ELCOTERM GLS 015-/E

General Features

Heat shrinkable joint kit for low voltage (max 1kV), 4-core plastic insulated power cable without armour. Kit includes, 4 heat shrinkable tubes for connectors insulation and one external to re-build the cable jacket.
Cable connectors are not included.

Caracteristicas Generales

Kit de empalme para cables eléctricos de baja tensión (hasta 1kV), aislación seca no armado. El kit incluye 4 tubos termocontraibles para el aislamiento y sellado de las uniones metálicas y un tubo externo para la reconstrucción de la vaina externa.
No incluye conectores metálicos.



Type	Cable cross section mm2
ELCOTERM GLS 0151/E	1,5 - 6
ELCOTERM GLS 0152/E	10 - 16
ELCOTERM GLS 0153/E	25 - 35
ELCOTERM GLS 0154/E	50 - 70
ELCOTERM GLS 0155/E	95 - 150
ELCOTERM GLS 0156/E	185 - 300

ELCOTERM GLS 017-/4C/E

ARMOURED CABLE

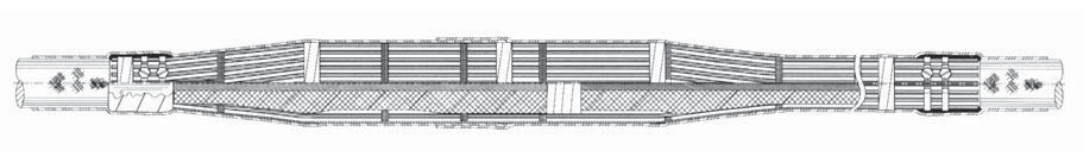
CABLE ARMADO

General Features

Heat shrinkable joint kit for low voltage (max 1kV), 4-core plastic insulated power cable with armour. Kit includes, 4 heat shrinkable tubes for connectors insulation, a stainless steel canister to restore the cable armour, and one external tube to re-build the cable jacket.
Cable connectors are not included.
Steel canister included.

Caracteristicas Generales

Kit de empalme para cables eléctricos de baja tensión (hasta 1kV), aislación seca armado. El kit incluye 4 tubos termocontraibles para el aislamiento y sellado de las uniones metálicas, una canasta de acero inoxidable para restaurar la armadura y un tubo externo para la reconstrucción de la vaina externa.
No incluye conectores metálicos.



Type	Cable cross section mm2
ELCOTERM GLS 0171/4C/E	1,5 - 6
ELCOTERM GLS 0172/4C/E	10 - 16
ELCOTERM GLS 0173/4C/E	25 - 35
ELCOTERM GLS 0174/4C/E	50 - 70
ELCOTERM GLS 0175/4C/E	95 - 150
ELCOTERM GLS 0176/4C/E	185 - 300

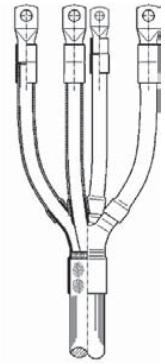
ELCOTERM TIS 015-/T
ELCOTERM TES 015-/T

General Features

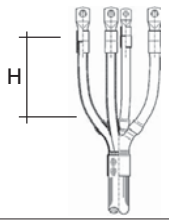
Heat shrinkable termination kits for low voltage (max 1kV), 4-core plastic insulated, without armour, power cables; indoor (TIS) and outdoor (TES) versions are available.Kit includes, a 4 ways cable breakout and a medium wall heat-shrinkable tube for each cable core. Cable lugs are not included.

Caracteristicas Generales

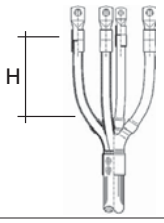
Kit termocontraible para la realización de terminaciónes en cables eléctricos de baja tensión (hasta 1kV) aislación seca no armado. Disponibles en versión para uso interior (TIS) o uso exterior (TES). El kit incluye una bota termocontraible de 4 vias con adhesivo interior para el sellado y estanqueidad y 4 tubos/vainas termocontraibles con adhesivo para el sellado de cada fase. No incluye terminales metálicos.



Indoor type	Cable cross section mm²	Tail length H
ELCOTERM TIS 0151/T	1,5 - 6	500 mm
ELCOTERM TIS 0152/T	10 - 16	
ELCOTERM TIS 0153/T	16 - 35	
ELCOTERM TIS 0154/T	35 - 70	
ELCOTERM TIS 0155/T	95 - 150	
ELCOTERM TIS 0156/T	150 - 300	



Outdoor type	Cable cross section mm²	Tail length H
ELCOTERM TES 0151/T	1,5 - 6	1500 mm
ELCOTERM TES 0152/T	10 - 16	
ELCOTERM TES 0153/T	16 - 35	
ELCOTERM TES 0154/T	35 - 70	
ELCOTERM TES 0155/T	95 - 150	
ELCOTERM TES 0156/T	150 - 300	



ELCOTERM TIS 015-/TZ
ELCOTERM TES 015-/TZ

ARMOURED CABLE

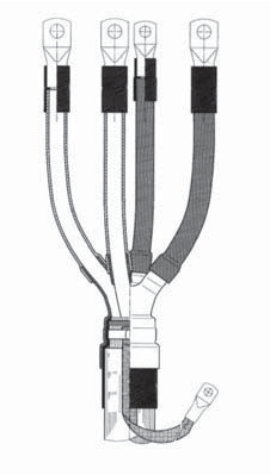
CABLE ARMADO

General Features

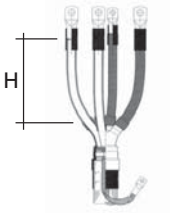
Heat shrinkable termination kits for low voltage (max 1kV), 4-core plastic insulated, with armour, power cables; indoor (TIS) and outdoor (TES) versions are available. Kit includes, a 4 ways cable breakout and a medium wall heat shrinkable tube for each cable core. Cable lugs are not included.
Earthing kit included.

Caracteristicas Generales

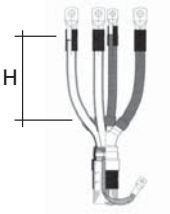
Kit termocontraible para la realización de terminaciónes en cables eléctricos de baja tensión (hasta 1kV) aislación seca armado. Disponibles en versión para uso interior (TIS) o uso exterior (TES). El kit incluye una bota termocontraible de 4 vias con adhesivo interior para el sellado y estanqueidad y 4 tubos/vainas termocontraibles con adhesivo para el sellado de cada fase. Se incluye la trenza para la puesta a tierra.
No incluye terminales metálicos.



Indoor type	Cable cross section mm²	Tail length H
ELCOTERM TIS 0151/TZ	1,5 - 6	500 mm
ELCOTERM TIS 0152/TZ	10 - 16	
ELCOTERM TIS 0153/TZ	16 - 35	
ELCOTERM TIS 0154/TZ	35 - 70	
ELCOTERM TIS 0155/TZ	95 - 150	
ELCOTERM TIS 0156/TZ	150 - 300	



Outdoor type	Cable cross section mm²	Tail length H
ELCOTERM TES 0151/TZ	1,5 - 6	1500 mm
ELCOTERM TES 0152/TZ	10 - 16	
ELCOTERM TES 0153/TZ	16 - 35	
ELCOTERM TES 0154/TZ	35 - 70	
ELCOTERM TES 0155/TZ	95 - 150	
ELCOTERM TES 0156/TZ	150 - 300	



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ELCOBLOK GLU 011-/E

STRAIGHT

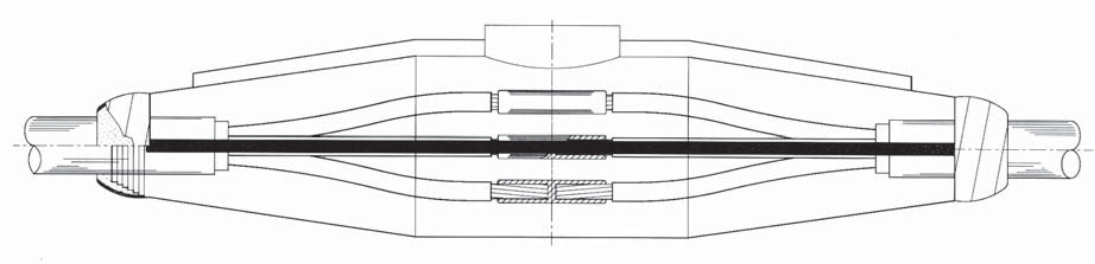
RECTO

General Features

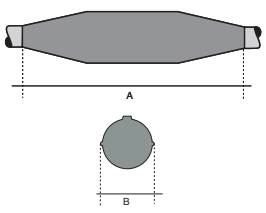
Cast polyurethane resin straight joint insulation kit for low voltage (max 1kV) multi-core plastic insulated cables, without armour*. Cable connectors are not included.

Caracteristicas Generales

Conjunto para Empalme recto a resina para cable en baja tensión (hasta 1kV), compuesto de un molde de plastico y resina. No incluye conectores para cables.



Type	Dimensions mm		External cable diameter mm	Up to cable cross section mm²
	A	B		
ELCOBLOK GLU 0114/E	156 - 180	70	10 - 18	4 x 10
ELCOBLOK GLU 0115/E	244 - 276	85	14 - 28	4 x 25
ELCOBLOK GLU 0116/E	322 - 370	110	28 - 45	4 x 50
ELCOBLOK GLU 0117/E	424 - 480	130	30 - 50	4 x 150
ELCOBLOK GLU 0118/E	594 - 650	150	50 - 70	4 x 300



** Available, upon request, for armoured cables: GLU 011-/EZ*

ELCOBLOK GDU 011-/E

30° BRANCH

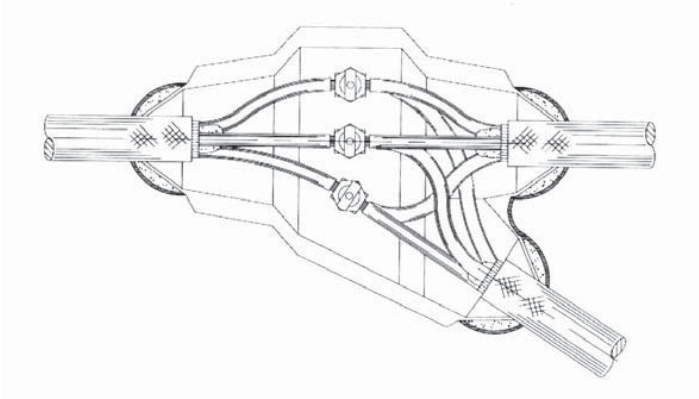
30°DERIVACION

General Features

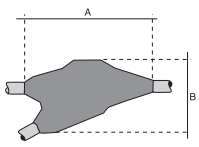
Cast polyurethane resin 30° branch joint insulation kit for low voltage (max 1) multi-core plastic insulated cables, without armour*. Cable connectors are not included.

Caracteristicas Generales

Conjunto para Empalme derivación (30°) a resina para baja tensión (hasta 1kV), compuesto de un molde de plastico y resina. No incluye conectores para cables.



Type	Dimensions mm		External cable diameter mm	Up to cable cross section mm²
	A	B		
ELCOBLOK GDU 0111/E	150 - 180	100	6 - 21	4 x 10
ELCOBLOK GDU 0113/E	180 - 220	170	10 - 34	4 x 25
ELCOBLOK GDU 0114/E	220 - 300	190	12 - 46	4 x 50
ELCOBLOK GDU 0115/E	375 - 440	200	14 - 50	4 x 95
ELCOBLOK GDU 0116/E	600 - 675	270	18 - 56	4 x 150

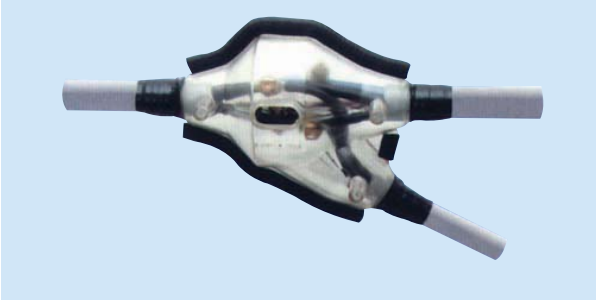


** Available, upon request, for armoured cables: GDU 011-/EZ*

ELCOSOFT GDR 011-/E

30° BRANCH, RE-ENTERABLE

DERIVACIÓN A 30° CON RESINA RE-ENTRABLE

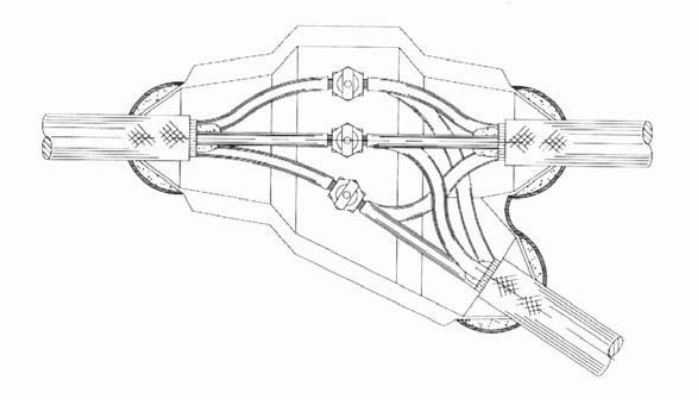


General Features

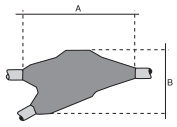
Re-enterable resin 30° branch joint insulation kit for low voltage (max 1kV) multi-coreplastic insulated cables, without armour*. Cable connectors are not included.

Caracteristicas Generales

Conjunto para Empalme de derivación (30°) con resina re-entrable para baja tension (hasta 1kV), compuesto de un molde de plastico y resina.
No incluye conectores para cables.



Type	Dimensions mm		External cable diameter mm	Up to cable cross section mm²	
	A	B			
ELCOSOFT GDR 0111/E	150 - 180	100	6 - 21	4 x 10	
ELCOSOFT GDR 0113/E	180 - 220	170	10 - 34	4 x 25	



** Available, upon request, for armoured cables: GDR 011-/EZ*

ELCOBLOK GTU 014-/E

90° BRANCH

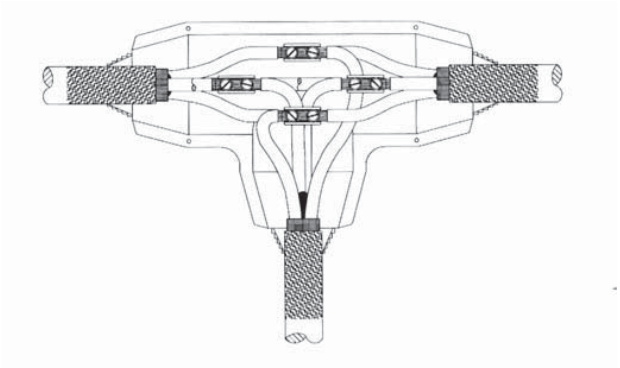
90° DERIVACION

General Features

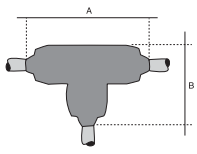
Cast polyurethane resin 90° branch joint insulation kit for low voltage (max 1kV) multi-core plastic insulated cables, without armour*.
Cable connectors are not included.

Caracteristicas Generales

Conjunto para Empalme de derivación en T (90°) con resina para baja tensión (hasta 1kV), compuesto de un molde de plastico y resina. No incluye conectores para cables.



Type	Dimensions mm		External cable diameter mm	Up to cable cross section mm²
	A	B		
ELCOBLOK GTU 0140/E	255 - 295	135 - 160	15 - 25	4 x 25
ELCOBLOK GTU 0141/E	280 - 320	160 - 200	16 - 44	4 x 50



** Available, upon request, for armoured cables: GTU 014-/EZ*

elcon megarad

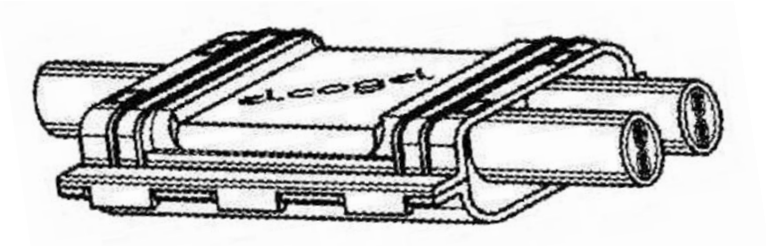
ELCOGEL

General Features

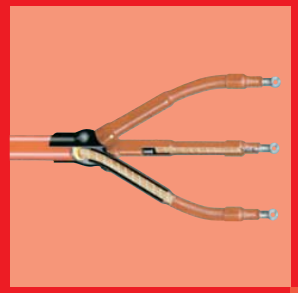
Gel filled low voltage (max 1kV) power cable joint, straight or branch, for multi-core plastic insulated cable without armour. The joint is made up from a rugged, self extinguishing, plastic box, filled with a silicon based insulating gel. The joint has an unlimited shelf-life, and the insulating gel is re-enterable even after a long working time. Connectors are not included.

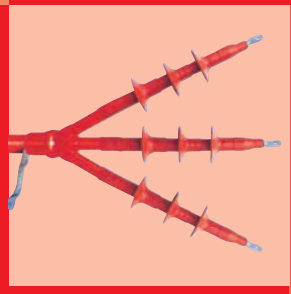
Caracteristicas Generales

Kit de Empalme para baja tensión (hasta 1kV), a base de gel, para cables sin armadura. El conjunto esta compuesto de una caja de plastico relleno con un compuesto de un gel aislante a base de silicona, con una alta flexibilidad.
El empalme tiene una duración ilimitada.
No incluye conectores.



Type	Cable cross section (mm2)					
	Straight Joints		Branch Joints			
			Main cable		Service cable	
	From	To	From	To	From	To
ELCOGEL 50	1 x 1,5	1 x 50	1 x 1,5	1 x 50	1 x 1,5	1 x 35
ELCOGEL 120	1 x 10 2 x 1,5 4 x 1,5	1 x 120 2 x 16 4 x 6	1 x 6 2 x 1,5 4 x 1,5	1 x 70 2 x 10 4 x 6	1 x 1,5 2 x 1,5 4 x 1,5	1 x 35 2 x 6 4 x 4
ELCOGEL 185	1 x 35 2 x 16 4 x 6	1 x 185 2 x 50 4 x 25	1 x 25 2 x 10 4 x 6	1 x 150 2 x 35 4 x 25	1 x 10 2 x 1,5 4 x 1,5	1 x 120 2 x 25 4 x 16





elcon megarad

MEDIUM VOLTAGE CABLE ACCESSORIES
ACCESORIOS PARA CABLES DE MEDIA TENSION

ELCOTERM GLS --85/E

SINGLE CORE, XLPE CABLE

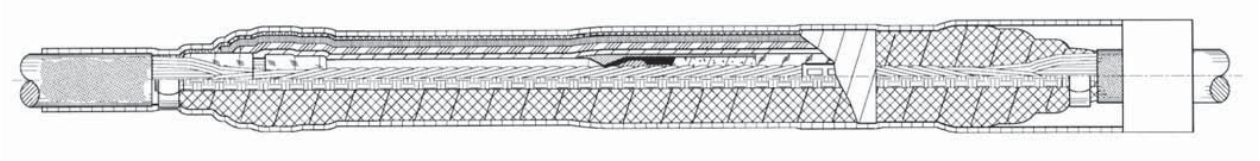
CABLE UNIPOLAR XLPE

General Features

Heat shrinkable medium voltage (max 36kV) power cable joint for single core XLPE or EPR insulated cables. Wire or tape screened. Copper or aluminium conductors, withuot armour*. Cable connector is not included.

Caracteristicas Generales

Empalme recto para cables unipolares de media tensión (hasta 36kV), aislados en XLPE o EPR con pantalla de cinta o alambres. Para conductores de Cobre o Aluminio. No incluye conectores metálicos para los cables.



Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLS 1285/E 1 x 16-25	12	16 - 25
ELCOTERM GLS 1285/E 1 x 35-70		35 - 70
ELCOTERM GLS 1285/E 1 x 95-240		95 - 240
ELCOTERM GLS 1285/E 1 x 300-500		300 - 500
ELCOTERM GLS 1285/E 1 x 630		630
ELCOTERM GLS 1785/E 1 x 25-50	17.5	25 - 50
ELCOTERM GLS 1785/E 1 x 70-240		70 - 240
ELCOTERM GLS 1785/E 1 x 300-500		300 - 500
ELCOTERM GLS 1785/E 1 x 630		630
ELCOTERM GLS 2485/E 1 x 25-35	24	25 - 35
ELCOTERM GLS 2485/E 1 x 50-240		50 - 240
ELCOTERM GLS 2485/E 1 x 300-500		300 - 500
ELCOTERM GLS 2485/E 1 x 630		630
ELCOTERM GLS 3685/E 1 x 25-95	36	25 - 95
ELCOTERM GLS 3685/E 1 x 120-240		120 - 240
ELCOTERM GLS 3685/E 1 x 300-500		300 - 500
ELCOTERM GLS 3685/E 1 x 630		630

** Can be customized, upon request, to suit armoured cables.*

ELCOTERM GLS --75/E

THREE CORE, XLPE CABLE

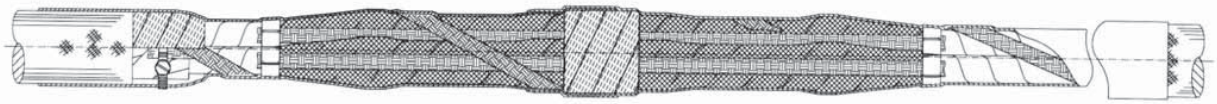
CABLE TRIPOLAR, XLPE

General Features

Heat shrinkable medium voltage (max 36 kV) power cable joint for three core XLPE or EPR insulated cables. Wire or tape screened, with no armouring. Copper or aluminium conductor.
Cable connectors are not included.

Caracteristicas Generales

Empalme recto para cables tripolares de media tensión (hasta 36kV), aislados en XLPE o EPR con pantalla de cinta o alambres, sin armadura. Para conductores de Cobre o Aluminio. No incluye conectores metálicos para los cables.



Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLS 1275/E 3 x 16-35	12	16 - 35
ELCOTERM GLS 1275/E 3 x 50-70		50 - 70
ELCOTERM GLS 1275/E 3 x 95-240		95 - 240
ELCOTERM GLS 1275/E 3 x 300		300
ELCOTERM GLS 1275/E 3 x 400-500		400 - 500
ELCOTERM GLS 1775/E 3 x 25-50	17.5	25 - 50
ELCOTERM GLS 1775/E 3 x 70-240		70 - 240
ELCOTERM GLS 1775/E 3 x 300		300
ELCOTERM GLS 1775/E 3 x 400-500		400 - 500
ELCOTERM GLS 2475/E 3 x 25-50	24	25 - 50
ELCOTERM GLS 2475/E 3 x 70-240		70 - 240
ELCOTERM GLS 2475/E 3 x 300		300
ELCOTERM GLS 2475/E 3 x 400		400
ELCOTERM GLS 3675/E 3 x 25-95	36	25 - 95
ELCOTERM GLS 3675/E 3 x 120-240		120 - 240
ELCOTERM GLS 3675/E 3 x 300		300
ELCOTERM GLS 3675/E 3 x 400		400

ELCOTERM GLS --75/EZ

THREE CORE, XLPE, ARMOURED CABLE

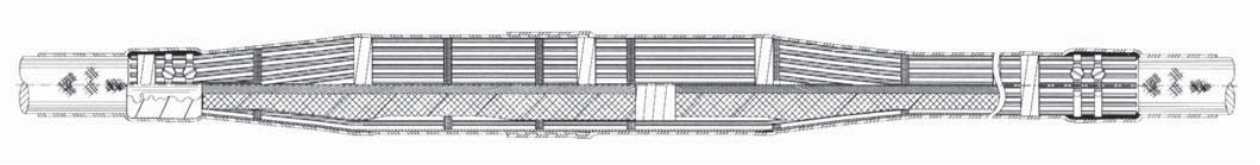
CABLE ARMADO, TRIPOLAR, XLPE

General Features

Heat shrinkable medium voltage (max 36 kV) power cable joint for three core XLPE or EPR insulated armoured cables. Wire or tape screened. Copper or aluminium conductors. Steel canister included for cable armour restore. Cable connectors are not included.

Caracteristicas Generales

Empalme recto para cables tripolares armados de media tensión (hasta 36kV), aislados en XLPE o EPR con pantalla de cinta o alambres. Para conductores de Cobre o Aluminio. El conjunto incluye una canasta de acero inoxidable para la restauración de la armadura. No incluye conectores metálicos para los cables.



Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLS 1275/EZ 3 x 16-35	12	16 - 35
ELCOTERM GLS 1275/EZ 3 x 50-70		50 - 70
ELCOTERM GLS 1275/EZ 3 x 95-240		95 - 240
ELCOTERM GLS 1275/EZ 3 x 300		300
ELCOTERM GLS 1275/EZ 3 x 400-500		400 - 500
ELCOTERM GLS 1775/EZ 3 x 25-50	17.5	25 - 50
ELCOTERM GLS 1775/EZ 3 x 70-240		70 - 240
ELCOTERM GLS 1775/EZ 3 x 300		300
ELCOTERM GLS 1775/EZ 3 x 400-500		400 - 500
ELCOTERM GLS 2475/EZ 3 x 25-50	24	25 - 50
ELCOTERM GLS 2475/EZ 3 x 70-240		70 - 240
ELCOTERM GLS 2475/EZ 3 x 300		300
ELCOTERM GLS 2475/EZ 3 x 400		400
ELCOTERM GLS 3675/EZ 3 x 25-95	36	25 - 95
ELCOTERM GLS 3675/EZ 3 x 120-240		120 - 240
ELCOTERM GLS 3675/EZ 3 x 300		300
ELCOTERM GLS 3675/EZ 3 x 400		400

ELCOTERM GLC --63/EZ

THREE CORE, PAPER, ARMOURED CABLE

CABLE ARMADO, TRIPOLAR, PAPEL ACEITE

General Features

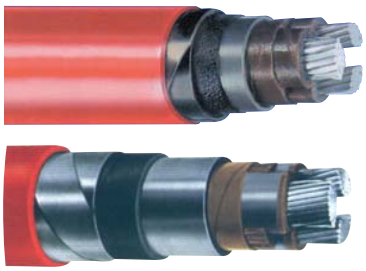
Heat-shrinkable medium voltage straight through joint either for three core - lead sheathed and belted - non radial electric field - paper insulated-armoured cable (max 17.5 kV) or for a three core - lead sheathed - individual screen - radial electric field- paper insulated - armoured cable (max 36 kV). Copper or aluminium conductors. Steel canister included for cable armour restore.

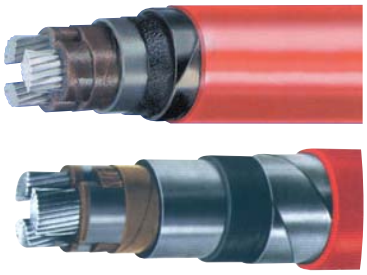
Cable connectors are not included.

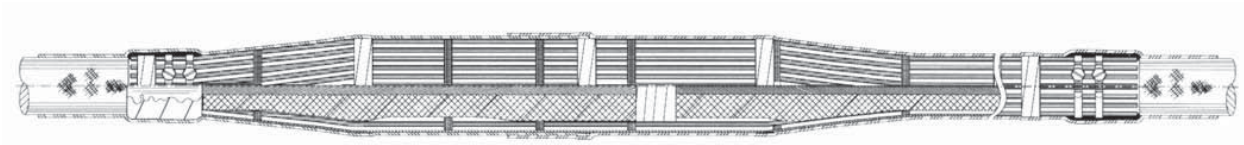
Caracteristicas Generales

Empalme para cables tripolares monoplomo. de Aislación en Papel Impregnado (API), campo eléctrico no radial armado, (hasta 17,5kV) o para cable tripolar mono plomo, armado de aislacion en papel impregnado con tres pantallas campo eléctrico radial (hasta 36kV). El kit cuenta con una canasta de acero inoxidable para la restauración de la armadura.

No incluye conectores para cables.





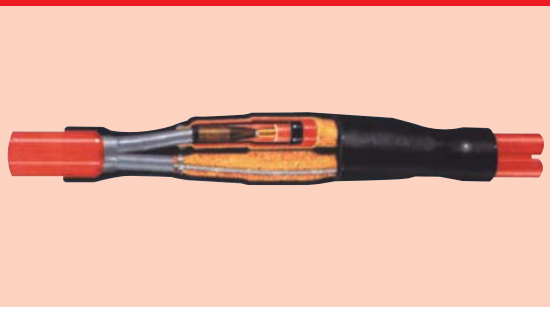


Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLC 1263/EZ 3 x 16-35	12	16 - 35
ELCOTERM GLC 1263/EZ 3 x 50-95		50 - 95
ELCOTERM GLC 1263/EZ 3 x 120-185		120 - 185
ELCOTERM GLC 1263/EZ 3 x 240-400		240 - 400
ELCOTERM GLC 1763/EZ 3 x 16-35	17.5	16 - 35
ELCOTERM GLC 1763/EZ 3 x 50-95		50 - 95
ELCOTERM GLC 1763/EZ 3 x 120-185		120 - 185
ELCOTERM GLC 1763/EZ 3 x 240-400		240 - 400
ELCOTERM GLC 2463/EZ 3 x 25-70	24	25 - 70
ELCOTERM GLC 2463/EZ 3 x 95-240		95 - 240
ELCOTERM GLC 2463/EZ 3 x 300-400		300 - 400
ELCOTERM GLC 3663/EZ 3 x 35-95	36	35 - 95
ELCOTERM GLC 3663/EZ 3 x 120-240		120 - 240
ELCOTERM GLC 3663/EZ 3 x 300-400		300 - 400

ELCOTERM GLM --63/E

**3 CORE, PAPER (SCREENED SL) CABLE
VS. 3 SINGLE CORE, XLPE CABLES**

CABLE TRIPOLAR TRIPLOMO AISLACIÓN PAPEL IMPREGNADO Y 3 CABLES UNIPOLARES DE AISLACIÓN SECA XLPE

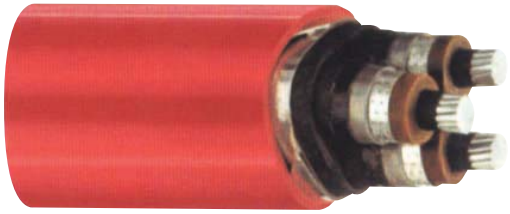


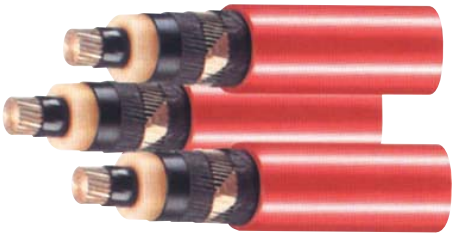
General Features

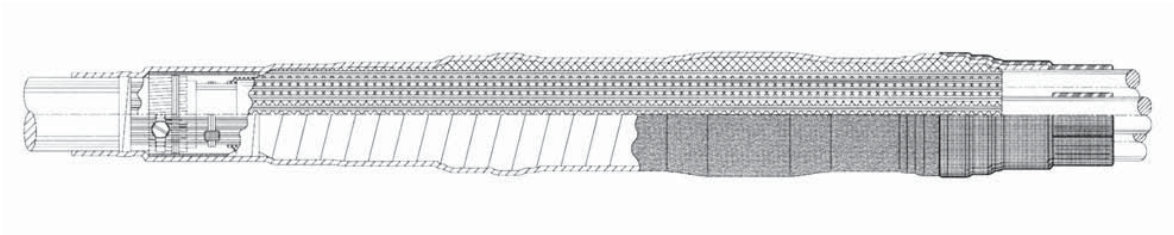
Heat shrinkable medium voltage (max 36 kV) transition joint between a three core, separated lead sheaths, radial electric field, paper insulated cable and three single core XLPE or EPR insulated cables. Copper or aluminium conductors.
Cable connectors are not included.

Caracteristicas Generales

Empalme de transición para cables en media tensión (hasta 36kV) entre un cable tripolar de aislación papel impregnado (API) triplomo y tres cables unipolares de aislación seca (XLPE o EPR) con conductores de cobre o aluminio.
No incluye conectores metálicos.







Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLM 1763/E	17.5	On request
ELCOTERM GLM 2463/E	24	On request
ELCOTERM GLM 3663/E	36	On request

ELCOTERM GLM --66/E

3 CORE, PAPER (BELTED OR SCREENED) CABLE VS. 3 SINGLE CORE, XLPE CABLES

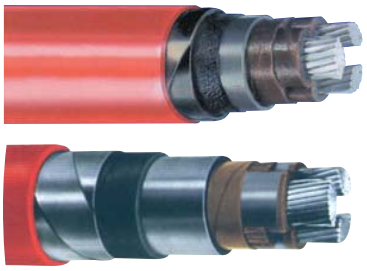
CABLE TRIPOLAR MONOPLOMO O TRIPOLAR TRES PANTALLAS AISLACIÓN PAPEL IMPREGNADO Y 3 CABLES UNIPOLARES DE AISLACIÓN SECA XLPE

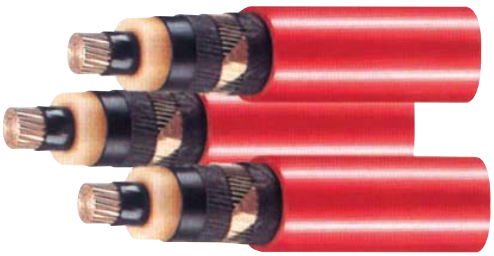
General Features

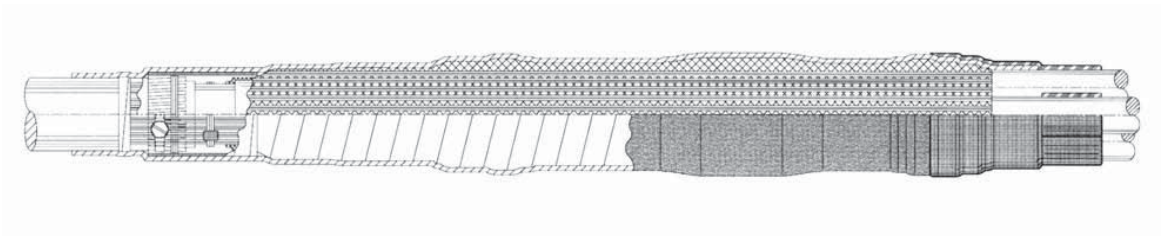
Heat shrinkable medium voltage transition joint between either a three core - lead sheathed and belted- non radial electric field - paper insulated cable (max 17.5 kV) or a three core - lead sheated - each core shielded, radial electric field - paper insulated cable (max 36 kV) and three single core XLPE or EPR insulated cables.
Copper or aluminium conductors.
Cable connectors are not included.

Caracteristicas Generales

Empalme de transición entre cables tripolares monoplomo de Aislación en Papel Impregnado (API) campo eléctrico no radial (hasta 17,5 kV) o cables tripolares monoplomo, tres pentallas de API con campo eléctrico radial (hasta 36 kV) y tres cable unipolares de aislación seca XLPE - EPR (hasta 36kV).
No incluye conectores para cables.







Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLM 1766/E 3 x (1) x 25-35	12 ; 17.5	25 - 35
ELCOTERM GLM 1766/E 3 x (1) x 50-70		50 - 70
ELCOTERM GLM 1766/E 3 x (1) x 95-240		95 - 240
ELCOTERM GLM 1766/E 3 x (1) x 300-400		300 - 400
ELCOTERM GLM 2466/E 3 x (1) x 25-50	24	25 - 50
ELCOTERM GLM 2466/E 3 x (1) x 70-240		70 - 240
ELCOTERM GLM 2466/E 3 x (1) x 300-400		300 - 400
ELCOTERM GLM 3666/E 3 x (1) x 35-95	36	35 - 95
ELCOTERM GLM 3666/E 3 x (1) x 120-240		120 - 240
ELCOTERM GLM 3666/E 3 x (1) x 300-400		300 - 400

ELCOTERM GLM --75/EZ

3 CORE, PAPER (BELTED OR SCREENED) CABLE VS. 3 CORE, XLPE, ARMOURED CABLE

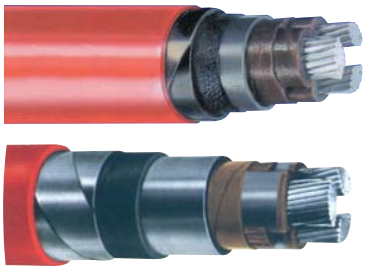
CABLE TRIPOLAR MONOPLOMO O TRIPOLAR TRES PANTLLAS AISLACIÓN PAPEL IMPREGNADO Y CABLE TRIPOLARES ARMADO DE AISLACIÓN SECA XLPE

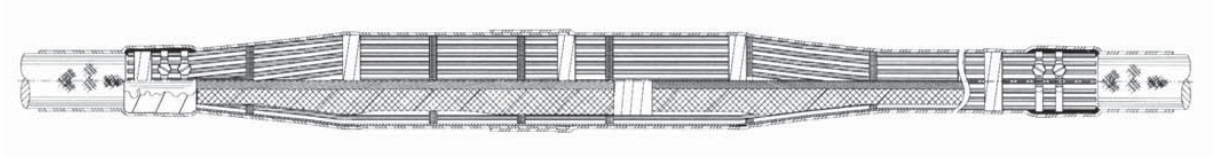
General Features

Heat shrinkable medium voltage transition joint between either a three core - lead sheathed and belted - non radial electric field - paper insulated cable (max 17.5 kV) or a three core - lead sheathed - each core shielded, radial electric field - paper insulated cable (max 36 kV) and a three core XLPE insulated, wire or tape screened, armoured cable. Copper or aluminium conductors. Steel canister included for cable armour restore. Cable connectors are not included.

Caracteristicas Generales

Empalme de transición entre cables tripolares monoplomo de Aislación en Papel Impregnado (API) campo eléctrico no radial (hasta 17,5kV) o cables tripolares monoplomo, tres pantallas de API con campo eléctrico radial (hasta 36kV), y cable tripolares, aislacion seca (hasta 36kV) XLPE, con pantalla de cinta o alambres, armado. Para condutores de cobre o aluminio. El kit incluye una canasta de acero inoxidable para la restauracion de la armadura
No incluye conectores metálicos.





Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLM 1275/EZ 3 x 16-50	12	16 - 50
ELCOTERM GLM 1275/EZ 3 x 70-120		70 - 120
ELCOTERM GLM 1275/EZ 3 x 150-400		150 - 400
ELCOTERM GLM 1775/EZ 3 x 25-70	17.5	25 - 70
ELCOTERM GLM 1775/EZ 3 x 95-240		95 - 240
ELCOTERM GLM 1775/EZ 3 x 300-400		300 - 400
ELCOTERM GLM 2475/EZ 3 x 25-70	24	25 - 70
ELCOTERM GLM 2475/EZ 3 x 95-240		95 - 240
ELCOTERM GLM 2475/EZ 3 x 300-400		300 - 400
ELCOTERM GLM 3675/EZ 3 x 35-95	36	35 - 95
ELCOTERM GLM 3675/EZ 3 x 120-240		120 - 240
ELCOTERM GLM 3675/EZ 3 x 300		300

ELCOTERM GLM --76/EZ

3 CORE, PAPER (SCREENED SL) CABLE
VS. 3 CORE, XLPE, ARMOURED CABLE

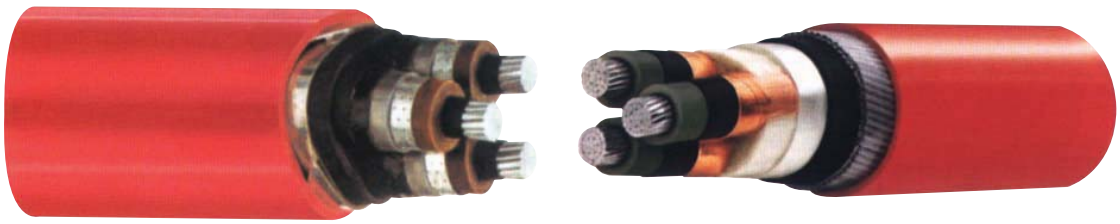
CABLE TRIPOLAR TRIPLOMO AISLACIÓN PAPEL IMPREGNADO Y CABLES TRIPOLAR ARMADO DE AISLACIÓN SECA XLPE

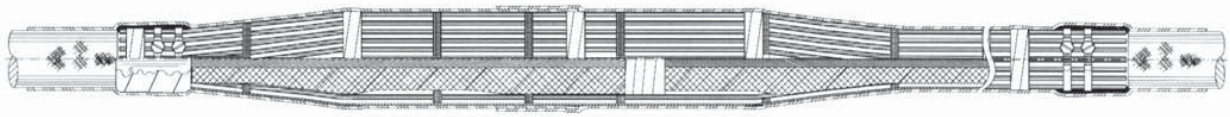
General Features

Heat shrinkable medium voltage (max 36 kV) transition joint between a three core, separated lead sheath, radial electric field, paper insulated cable and a three core XLPE insulated, wire or tape screened, armoured cable. Copper or aluminium conductors. Steel canister included for cable armour restore. Cable connectors are not included.

Caracteristicas Generales

Empalme de transición entre cables tripolares triplomo de aislación papel impregnado (API) con campo eléctrico radial (hasta 36kV) y cables tripolares de aislación seca XLPE (hasta 36kV). Con pantalla de cinta o alambre armado. Conductores de cobre o aluminio. El conjunto incluye una canasta de acero inoxidable para la restauración de la armadura.
No incluye conectores para cables.





Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLM 1776/EZ 3 x 25-70	12 ; 17.5	25 - 70
ELCOTERM GLM 1776/EZ 3 x 95-240		95 - 240
ELCOTERM GLM 1776/EZ 3 x 300-400		300 - 400
ELCOTERM GLM 2476/EZ 3 x 25-70	24	25 - 70
ELCOTERM GLM 2476/EZ 3 x 95-240		95 - 240
ELCOTERM GLM 2476/EZ 3 x 300-400		300 - 400
ELCOTERM GLM 3676/EZ 3 x 50-95	36	50 - 95
ELCOTERM GLM 3676/EZ 3 x 120-240		120 - 240
ELCOTERM GLM 3676/EZ 3 x 300-400		300 - 400

ELCOTERM GLT --65/E

3 CORE, XLPE, ARMOURED CABLE VS. 3 SINGLE CORE, XLPE CABLES

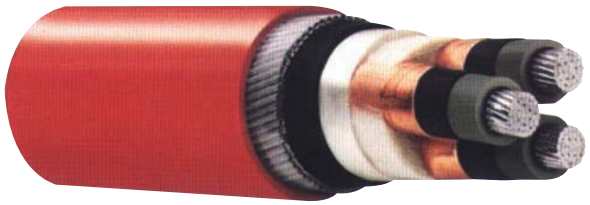
CABLE TRIPOLAR ARMADO XLPE Y 3 CABLES UNIPOLARES XLPE

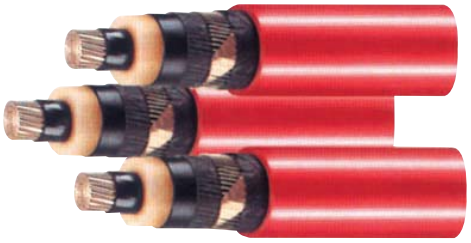
General Features

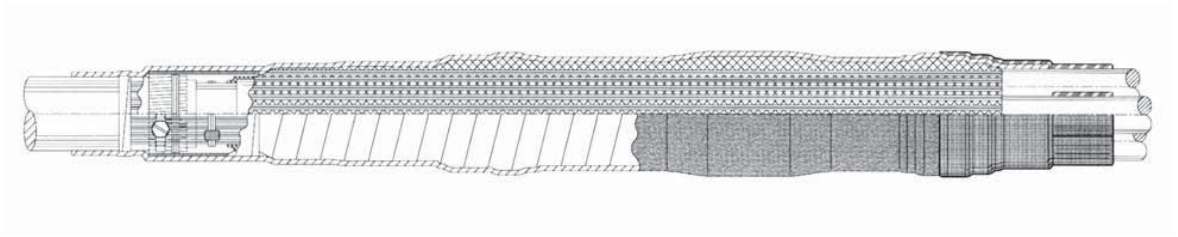
Heat shrinkable medium voltage (max 36 kV) transition joint between a three core, armoured, XLPE insulated cable, and three single core XLPE insulated cables. Copper or aluminium conductors. Wire or tape screened.
Cable connectors are not included.

Caracteristicas Generales

Empalme de transición para cables de media tensión (hasta 36kV) entre cable tripolar armado aislación seca (XLPE) y tres unipolares de aislación seca (XLPE o EPR). Conductores de aluminio o cobre. Pantalla de cinta o alambre.
No incluye conectores metálicos.







Type	Max Voltage kV	Cross Section range mm2
ELCOTERM GLT 1265/E 3 x (1) x 16-35	12	16 - 35
ELCOTERM GLT 1265/E 3 x (1) x 50-70		50 - 70
ELCOTERM GLT 1265/E 3 x (1) x 95-240		95 - 240
ELCOTERM GLT 1265/E 3 x (1) x 300		300
ELCOTERM GLT 1265/E 3 x (1) x 400-500		400 - 500
ELCOTERM GLT 1765/E 3 x (1) x 25-50	17.5	25 - 50
ELCOTERM GLT 1765/E 3 x (1) x 70-240		70 - 240
ELCOTERM GLT 1765/E 3 x (1) x 300		300
ELCOTERM GLT 1765/E 3 x (1) x 400-500		400 - 500
ELCOTERM GLT 2465/E 3 x (1) x 25-50	24	25 - 50
ELCOTERM GLT 2465/E 3 x (1) x 70-240		70 - 240
ELCOTERM GLT 2465/E 3 x (1) x 300		300
ELCOTERM GLT 2465/E 3 x (1) x 400		400
ELCOTERM GLT 3665/E 3 x (1) x 25-95	36	25 - 95
ELCOTERM GLT 3665/E 3 x (1) x 120-240		120 - 240
ELCOTERM GLT 3665/E 3 x (1) x 300		300

ELCOTERM TIS --82/E

INDOOR, SINGLE CORE, XLPE CABLE

TERMINACIÓN INTERIOR UNIPOLAR

General Features

Heat shrinkable medium voltage (max 36 kV) indoor termination for single core, EPR or XLPE insulated, wire or tape screened cable, without armour*. Copper or aluminium conductor.
Three terminations per kit.
Cable lug not included.

Caracteristicas Generales

Kit terminación de uso interior para cables unipolares de media tensión (hasta 36kV) de aislación seca (XLPE o EPR) con pantalla de cinta o alambre, conductores de aluminio cobre no armado*. El cojunto incluye los accesorios para la realización de 3 terminaciónes.
No incluye terminales metálicos.

Type	Max Voltage kV	Cross Section range mm2	Rain sheds / core Nr.	Tail length H mm
ELCOTERM TIS 1282/E 3 x 1 x 25-35	12	25 - 35	-	350
ELCOTERM TIS 1282/E 3 x 1 x 50-70		50 - 70		
ELCOTERM TIS 1282/E 3 x 1 x 95-150		95 - 150		
ELCOTERM TIS 1282/E 3 x 1 x 185-300		185 - 300		
ELCOTERM TIS 1282/E 3 x 1 x 400-630		400 - 630		
ELCOTERM TIS 1782/E 3 x 1 x 25-35	17.5	25 - 35	-	350
ELCOTERM TIS 1782/E 3 x 1 x 50-70		50 - 70		
ELCOTERM TIS 1782/E 3 x 1 x 95-150		95 - 150		
ELCOTERM TIS 1782/E 3 x 1 x 185-300		185 - 300		
ELCOTERM TIS 1782/E 3 x 1 x 400-630		400 - 630		
ELCOTERM TIS 2482/E 3 x 1 x 25-35	24	25 - 35	-	400
ELCOTERM TIS 2482/E 3 x 1 x 50-70		50 - 70		
ELCOTERM TIS 2482/E 3 x 1 x 95-150		95 - 150		
ELCOTERM TIS 2482/E 3 x 1 x 185-300		185 - 300		
ELCOTERM TIS 2482/E 3 x 1 x 400-630		400 - 630		
ELCOTERM TIS 3682/E 3 x 1 x 25-35	36	25 - 35	1	500
ELCOTERM TIS 3682/E 3 x 1 x 50-70		50 - 70		
ELCOTERM TIS 3682/E 3 x 1 x 95-150		95 - 150		
ELCOTERM TIS 3682/E 3 x 1 x 185-300		185 - 300		
ELCOTERM TIS 3682/E 3 x 1 x 400-630		400 - 630		

** Can be customized, upon request, to suit armoured cables.*

ELCOTERM TIS --82/TZ

INDOOR, THREE CORE XLPE CABLE, ARMOURED / NOT ARMOURED

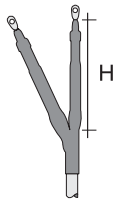
TERMINACIÓN INTERIOR TRIPOLAR CABLE XLPE - ARMADO / NO ARMADO

General Features

Heat shrinkable medium voltage (max 36 kV) indoor termination for three core, EPR or XLPE insulated, wire or tape screened, armoured or not armoured cable. Copper or aluminium conductors.
Cable lugs not included.

Caracteristicas Generales

Kit terminación de uso interior para cables tripolares de media tensión (hasta 36kV) de aislación seca (XLPE o EPR) con pantalla de cinta o alambre, armado o no armado. Conductores de aluminio o cobre.
No incluye terminales metálicos.

Type	Max Voltage kV	Cross Section range mm2	Rain sheds / core Nr.	Tail length H mm	
ELCOTERM TIS 1282/TZ 3 x 25-35	12	25 - 35	-	650	
ELCOTERM TIS 1282/TZ 3 x 50-70		50 - 70			
ELCOTERM TIS 1282/TZ 3 x 95-150		95 - 150			
ELCOTERM TIS 1282/TZ 3 x 185-300		185 - 300			
ELCOTERM TIS 1282/TZ 3 x 400-630		400 - 630			
ELCOTERM TIS 1782/TZ 3 x 25-35	17.5	25 - 35	-	650	
ELCOTERM TIS 1782/TZ 3 x 50-70		50 - 70			
ELCOTERM TIS 1782/TZ 3 x 95-150		95 - 150			
ELCOTERM TIS 1782/TZ 3 x 185-300		185 - 300			
ELCOTERM TIS 1782/TZ 3 x 400-630		400 - 630			
ELCOTERM TIS 2482/TZ 3 x 25-35	24	25 - 35	-	650	
ELCOTERM TIS 2482/TZ 3 x 50-70		50 - 70			
ELCOTERM TIS 2482/TZ 3 x 95-150		95 - 150			
ELCOTERM TIS 2482/TZ 3 x 185-300		185 - 300			
ELCOTERM TIS 2482/TZ 3 x 400-630		400 - 630			
ELCOTERM TIS 3682/TZ 3 x 25-35	36	25 - 35	1	850	
ELCOTERM TIS 3682/TZ 3 x 50-70		50 - 70			
ELCOTERM TIS 3682/TZ 3 x 95-150		95 - 150			
ELCOTERM TIS 3682/TZ 3 x 185-300		185 - 300			

ELCOTERM TES --84/E

OUTDOOR, SINGLE CORE, XLPE CABLE

TERMINACIÓN EXTERIOR CABLE XLPE UNIPOLAR

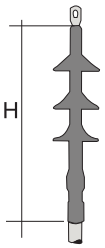
General Features

Heat shrinkable medium voltage (max 36 kV) outdoor termination for single core, EPR or XLPE insulated, wire or tape screened cable, without armour*. Copper or aluminium conductors.
One termination per kit.
Cable lug not included.

Caracteristicas Generales

Kit terminación de uso exterior para cables unipolares de media tensión (hasta 36kV) de aislación seca (XLPE o EPR) con pantalla de cinta o alambre, no armado*. Conductores de aluminio o cobre. El cojunto incluye los accesorios para la realización de una terminación.
No incluye terminales metálicos.

Type	Max Voltage kV	Cross Section range mm2	Rain sheds / core Nr.	Tail length H mm
ELCOTERM TES 1284/E 1 x 25-35	12	25 - 35	2	350
ELCOTERM TES 1284/E 1 x 50-70		50 - 70		
ELCOTERM TES 1284/E 1 x 95-150		95 - 150		
ELCOTERM TES 1284/E 1 x 185-300		185 - 300		
ELCOTERM TES 1284/E 1 x 400-630		400 - 630		
ELCOTERM TES 1784/E 1 x 25-35	17.5	25 - 35	2	350
ELCOTERM TES 1784/E 1 x 50-70		50 - 70		
ELCOTERM TES 1784/E 1 x 95-150		95 - 150		
ELCOTERM TES 1784/E 1 x 185-300		185 - 300		
ELCOTERM TES 1784/E 1 x 400-630		400 - 630		
ELCOTERM TES 2484/E 1 x 25-35	24	25 - 35	3	400
ELCOTERM TES 2484/E 1 x 50-70		50 - 70		
ELCOTERM TES 2484/E 1 x 95-150		95 - 150		
ELCOTERM TES 2484/E 1 x 185-300		185 - 300		
ELCOTERM TES 2484/E 1 x 400-630		400 - 630		
ELCOTERM TES 3684/E 1 x 25-35	36	25 - 35	4	500
ELCOTERM TES 3684/E 1 x 50-70		50 - 70		
ELCOTERM TES 3684/E 1 x 95-150		95 - 150		
ELCOTERM TES 3684/E 1 x 185-300		185 - 300		
ELCOTERM TES 3684/E 1 x 400-630		400 - 630		

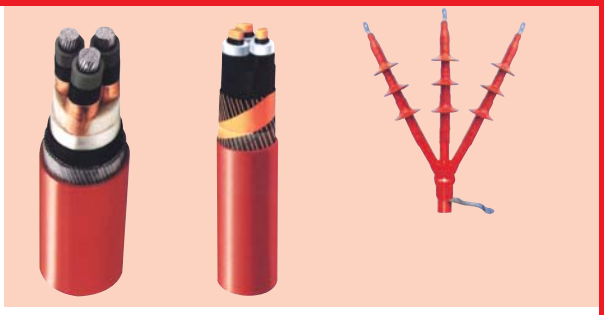


** Can be customized, upon request, to suit armoured cables.*

ELCOTERM TES --84/TZ

OUTDOOR, THREE CORE, XLPE CABLE, ARMOURED / NOT ARMOURED

TERMINACIÓN EXTERIOR CABLE TRIPOLAR XLPE ARMADO / NO ARMADO



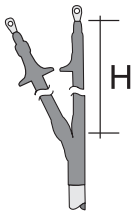
General Features

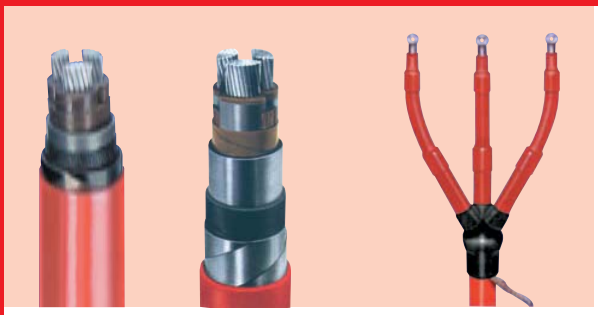
Heat shrinkable medium voltage (max 36 kV) outdoor termination for three core, EPR or XLPE insulated, wire or tape screened, armoured or not armoured cable. Copper or aluminium conductors.
Cable lugs not included.

Caracteristicas Generales

Kit terminación de uso exterior para cables tripolares de media tensión (hasta 36kV) de aislación seca (XLPE o EPR) con pantalla de cinta o alambre, armado o no armado. Conductores de aluminio o cobre.
No incluye terminales metálicos.

Type	Max Voltage kV	Cross Section range mm2	Rain sheds / core Nr.	Tail length H mm
ELCOTERM TES 1284/TZ 3 x 25-35	12	25 - 35	2	850
ELCOTERM TES 1284/TZ 3 x 50-70		50 - 70		
ELCOTERM TES 1284/TZ 3 x 95-150		95 - 150		
ELCOTERM TES 1284/TZ 3 x 185-300		185 - 300		
ELCOTERM TES 1284/TZ 3 x 400-630		400 - 630		
ELCOTERM TES 1784/TZ 3 x 25-35	17,5	25 - 35	2	850
ELCOTERM TES 1784/TZ 3 x 50-70		50 - 70		
ELCOTERM TES 1784/TZ 3 x 95-150		95 - 150		
ELCOTERM TES 1784/TZ 3 x 185-300		185 - 300		
ELCOTERM TES 1784/TZ 3 x 400-630		400 - 630		
ELCOTERM TES 2484/TZ 3 x 25-35	24	25 - 35	3	850
ELCOTERM TES 2484/TZ 3 x 50-70		50 - 70		
ELCOTERM TES 2484/TZ 3 x 95-150		95 - 150		
ELCOTERM TES 2484/TZ 3 x 185-300		185 - 300		
ELCOTERM TES 2484/TZ 3 x 400-630		400 - 630		
ELCOTERM TES 3684/TZ 3 x 25-35	36	25 - 35	4	1200
ELCOTERM TES 3684/TZ 3 x 50-70		50 - 70		
ELCOTERM TES 3684/TZ 3 x 95-150		95 - 150		
ELCOTERM TES 3684/TZ 3 x 185-300		185 - 300		





ELCOTERM TIC --56/E

INDOOR, THREE CORE, PAPER (BELTED OR SCREENED) CABLE ARMOURED / NOT ARMOURED

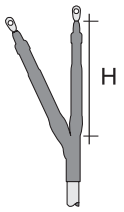
TERMINACIÓN INTERIOR TRIPOLAR EN API CABLE MONOPLOMO CON / SIN PANTALLA, ARMADO / NO ARMADO

General Features

Heat shrinkable medium voltage indoor termination either for three core - lead sheathed - individual screen - radial electric field- paper insulated cable (max 36 kV), or for three core - lead sheathed and belted - non radial electric field - paper insulated cable (max 17.5 kV). Cables armoured or not armoured. Copper or aluminium conductors. Provided with semiconductive cable break-out. Common earthing system. Cable lugs not included.

Caracteristicas Generales

Kit terminación de uso interior para cable tripolar monoplomo (campo eléctrico no radial) de aislación papel impregnado (hasta 17,5kV) o tripolar tres pantallas (campo eléctrico radial) (hasta 36kV). Armado o no armado, conductor de cobre o aluminio. El conjunto incluye bota semiconductora, y trenza de puestra a tierra.
No incluye terminales metálicos.

Type	Max Voltage kV	Cross Section range mm2	Rain sheds / core Nr.	Tail length H mm	
ELCOTERM TIC 1256/E 3 x 16-50	12	16 - 50	-	450	
ELCOTERM TIC 1256/E 3 x 70-150		70 - 150			
ELCOTERM TIC 1256/E 3 x 185-400		185 - 400			
ELCOTERM TIC 1756/E 3 x 16-35	17,5	16 - 35	-	650	
ELCOTERM TIC 1756/E 3 x 50-95		50 - 95			
ELCOTERM TIC 1756/E 3 x 120-240		120 - 240			
ELCOTERM TIC 1756/E 3 x 185-400		185 - 400			
ELCOTERM TIC 2456/E 3 x 25-70	24	25 - 70	1	650	
ELCOTERM TIC 2456/E 3 x 95-240		95 - 240			
ELCOTERM TIC 2456/E 3 x 300-400		300 - 400			
ELCOTERM TIC 3656/E 3 x 35-95	36	35 - 95	2	850	
ELCOTERM TIC 3656/E 3 x 120-240		120 - 240			
ELCOTERM TIC 3656/E 3 x 300-400		300 - 400			

ELCOTERM TEC --56/E

OUTDOOR, THREE CORE, PAPER (BELTED OR SCREENED) CABLE ARMOURED / NOT ARMOUR

TERMINACIÓN ESTERIOR TRIPOLAR EN API CABLE MONOPLOMO CON / SIN PANTALLA, ARMADO / NO ARMADO

General Features

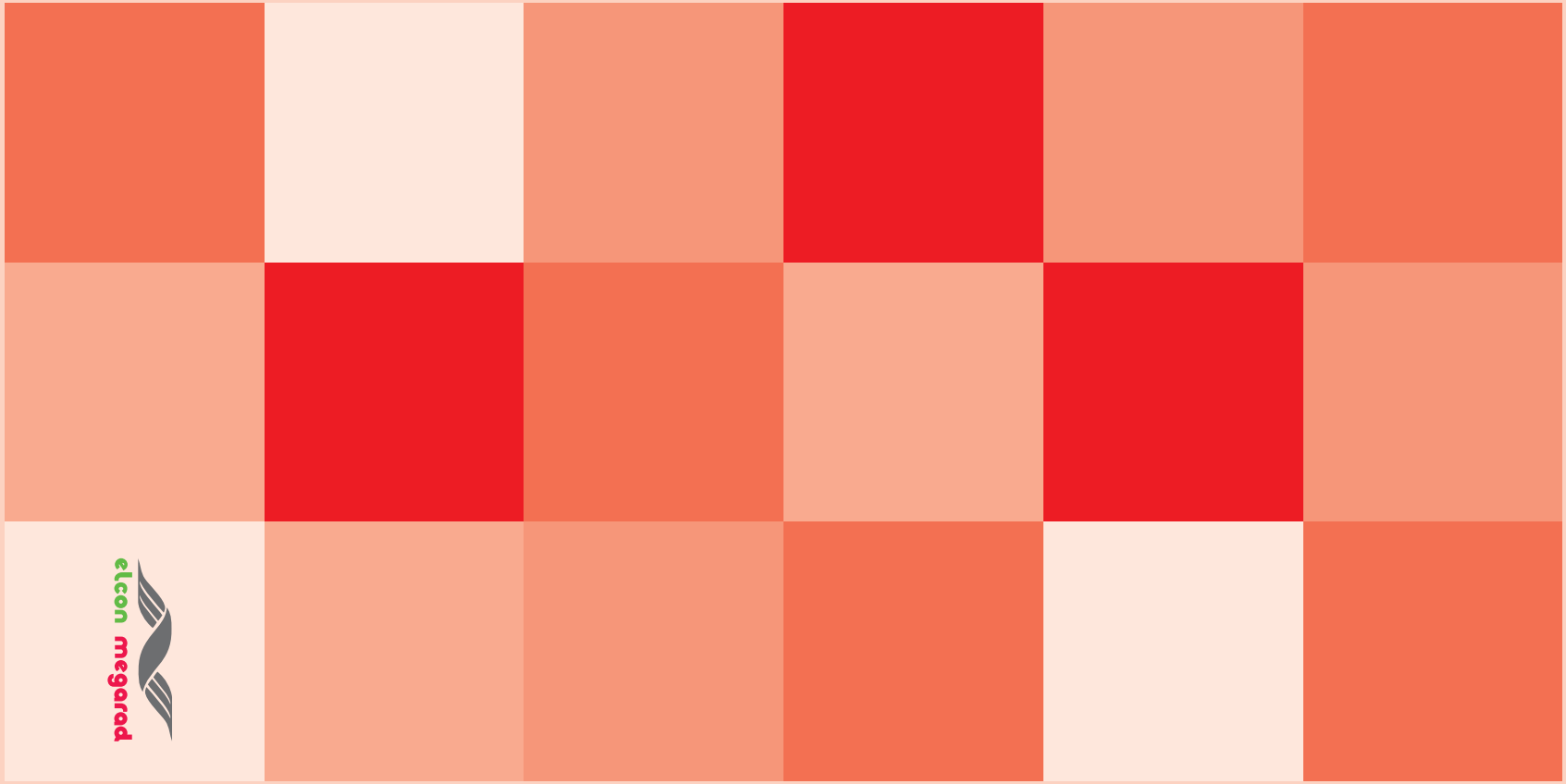
Heat shrinkable medium voltage outdoor termination either for three core - lead sheathed - individual screen - radial electric field- paper insulated cable (max 36 kV), or for three core - lead sheathed and belted- non radial electric field - paper insulated cable (max 17.5 kV). Cables armoured or not armoured. Copper or aluminium conductors. Provided with semiconductive cable break-out. Common earthing system. Cable lugs not included.

Caracteristicas Generales

Kit terminación de uso exterior para cable tripolar monoplomo (campo eléctrico no radial) de aislación papel impregnado (hasta 17,5kV), o tipolar tres pantallas (campo eléctrico radial) hasta 36kV. Armado o no armado. Conductor de cobre o aluminio. El conjunto incluye trenza de puesta a tierra, y bota semiconductora.

No incluye terminales metálicos.

Type	Max Voltage kV	Cross Section range mm2	Rain sheds / core Nr.	Tail length H mm	
ELCOTERM TEC 1256/E 3 x 16-50	12	16 - 50	2	650	
ELCOTERM TEC 1256/E 3 x 70-150		70 - 150			
ELCOTERM TEC 1256/E 3 x 185-400		185 - 400			
ELCOTERM TEC 1756/E 3 x 16-35	17,5	16 - 35	2	850	
ELCOTERM TEC 1756/E 3 x 50-95		50 - 95			
ELCOTERM TEC 1756/E 3 x 120-240		120 - 240			
ELCOTERM TEC 1756/E 3 x 185-400		185 - 400			
ELCOTERM TEC 2456/E 3 x 25-70	24	25 - 70	3	850	
ELCOTERM TEC 2456/E 3 x 95-240		95 - 240			
ELCOTERM TEC 2456/E 3 x 300-400		300 - 400			
ELCOTERM TEC 3656/E 3 x 35-95	36	35 - 95	4	1200	
ELCOTERM TEC 3656/E 3 x 120-240		120 - 240			
ELCOTERM TEC 3656/E 3 x 300-400		300 - 400			



COLD SHRINKABLE ACCESSORIES
ACCESORIOS CONTRAIBLES EN FRIO

ECOLD TIS --73P/E

INDOOR, SINGLE CORE XLPE CABLE IEC 502

INTERIOR, UNIPOLAR CABLE XLPE IEC 502

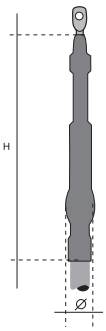
General Features

Cold - shrinkable medium voltage (max 36 Kv) indoor termination for single core, EPR or XLPE insulated wire* screened cable, without armour**. Copper or aluminium conductors. Stress control with a patch (PAD). Cable lug not included.
- Three terminations for kit.

Caracteristicas Generales

Terminación de interior pre-expandido, contraible en frío para cables unipolares de media tensión (hasta 36 kV),de aislacion seca XLPE - EPR, con pantalla de alambre* sin armadura**. Terminales metálicos no incluidos.
Tres terminaciónes por kit.

Type	Max Voltage kV	Cross Section range mm2	Rain sheds / core Nr.	Tail length H mm
ELCOD TIS 1273P /E 3 x 1 x 25 - 50	12	25 - 50	-	320
ELCOD TIS 1273P /E 3 x 1 x 70 - 185		70 - 185		
ELCOD TIS 1273P /E 3 x 1 x 120 - 240		120 - 240		
ELCOD TIS 1273P /E 3 x 1 x 300 - 630		300 - 630		
ELCOD TIS 1773P /E 3 x 1 x 25 - 50	17,5	25 - 50	-	340
ELCOD TIS 1773P /E 3 x 1 x 50 - 185		50 - 185		
ELCOD TIS 1773P /E 3 x 1 x 120 - 240		120 - 240		
ELCOD TIS 1773P /E 3 x 1 x 300 - 630		300 - 630		
ELCOD TIS 2473P /E 3 x 1 x 25 - 50	24	25 - 50	-	360
ELCOD TIS 2473P /E 3 x 1 x 50 - 185		50 - 185		
ELCOD TIS 2473P /E 3 x 1 x 120 - 240		120 - 240		
ELCOD TIS 2473P /E 3 x 1 x 300 - 630		300 - 630		
ELCOD TIS 3673P /E 3 x 1 x 35 - 70	36	35 - 70	2	650
ELCOD TIS 3673P /E 3 x 1 x 95 - 240		95 - 240		
ELCOD TIS 3673P /E 3 x 1 x 300 - 400		300 - 400		



** Available, upon request, for tape screened cables.*

*** Can be customized, upon request, to suit armoured cables.*

ECOLD GLS --87/EE

SINGLE CORE XLPE EPR CABLE; IEC 502

CABLE UNIPOLAR XLPE - EPR; IEC 502

General Features

Cold - shrinkable medium voltage power cable joint, silicon rubber splices, for copper or aluminium, conductor, single core XLPE or EPR insulated, wire screened, without armour cables*. Made up by a 3-layer cold shrink tube, for stress control relief, insulation and semiconductive purposes. CENELEC HD 629-1. M.V. connector not included, each kit makes one joint.

Caracteristicas Generales

Empalme pre-expandido contraible en frío para cables unipolares de aislación XLPE o EPR con pantalla de alambre sin armadura. El empalme esta realizado con un tubo pre-expandido de 3 capas (control de campo, aislante y semiconductivo). Conector metalico de MT no incluido. El kit trae los elementos para la realización de un empalme.

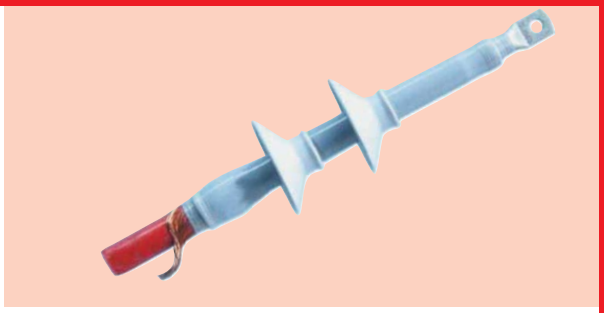
Type	Max Voltage kV	Cross Section range mm2
ELCOD GLS 1787 /EE 1 x 35 - 70	17,5	35 - 70
ELCOD GLS 1787 /EE 1 x 95 - 150		95 - 150
ELCOD GLS 1787 /EE 1 x 185 - 240		185 - 240
ELCOD GLS 1787 /EE 1 x 300 - 400		300 - 400
ELCOD GLS 2487 /EE 1 x 25 - 50	24	25 - 50
ELCOD GLS 2487 /EE 1 x 70 - 95		70 - 95
ELCOD GLS 2487 /EE 1 x 120 - 240		120 - 240
ELCOD GLS 2487 /EE 1 x 300 - 400		300 - 400
ELCOD GLS 3687 /EE 1 x 35 - 70	36	35 - 70
ELCOD GLS 3687 /EE 1 x 95 - 150		95 - 150
ELCOD GLS 3687 /EE 1 x 185 - 300		185 - 300
ELCOD GLS 3687 /EE 1 x 400		400

** Can be customized, upon request, to suit both tape screened and armoured cables.*

ECOLD TES --72P/E

OUTDOOR, SINGLE CORE XLPE CABLE IEC 502

EXTERIOR, UNIPOLAR CABLE XLPE IEC 502



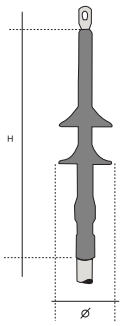
General Features

Cold - shrinkable medium voltage (max 36 Kv) outdoor termination for single core, EPR or XLPE insulated, wire* screened cable, without armour**. Copper or aluminium conductors. Stress control with a patch (PAD). CENELEC HD 629-1. Cable lug not included.
- One terminations for kit.

Caracteristicas Generales

Terminación pre-expandido contraible en frío para cables unipolares (aluminio o cobre) de media tensión, (hasta 36kV) pantalla de alambre* sin armadura**, aislación EPR o XLPE. Uso Exterior. Terminales metálicos no incluidos.
Una terminación por kit.

Type	Max Voltage kV	Cross Section range mm2	Rain sheds / core Nr.	Tail length H mm
ELCOD TES 1272P /E 1 x 25 - 50	12	25 - 50	1	340
ELCOD TES 1272P /E 1 x 70 - 185		70 - 185		
ELCOD TES 1272P /E 1 x 120 - 240		120 - 240		
ELCOD TES 1272P /E 1 x 300 - 630		300 - 630		
ELCOD TES 1772P /E 1 x 25 - 50	17,5	25 - 50	1	360
ELCOD TES 1772P /E 1 x 50 - 185		50 - 185		
ELCOD TES 1772P /E 1 x 120 - 240		120 - 240		
ELCOD TES 1772P /E 1 x 300 - 630		300 - 630		
ELCOD TES 2472P /E 1 x 25 - 50	24	25 - 50	2	420
ELCOD TES 2472P /E 1 x 50 - 185		50 - 185		
ELCOD TES 2472P /E 1 x 120 - 240		120 - 240		
ELCOD TES 2472P /E 1 x 300 - 630		300 - 630		
ELCOD TES 3672P /E 1 x 35 - 70	36	35 - 70	4	650
ELCOD TES 3672P /E 1 x 95 - 240		95 - 240		
ELCOD TES 3672P /E 1 x 300 - 400		300 - 400		



** Available, upon request, for tape screened cables.*

*** Can be customized, upon request, to suit armoured cables.*

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TUBES & SHAPES
TUBOS Y MOLDES

M 10
MPS 10

MEDIUM WALL

PARED MEDIA

General Features
Medium wall heat shrinkable tubing in X-linked polyolefin. Available in two versions: M 10 non lined, MPS 10 lined by co-extruded hot melt adhesive coating. Suitable for electrical insulation, mainly for power cable joints up to 1 kV.

Caracteristicas Generales
Tubo termocontraible de pared media en poliolefina reticulada. Disponible en dos versiones: M 10 sin adhesivo y MPS10 con adhesivo. Utilizado para la aislación electrica en cables de energía hasta 1kV.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	-55 °C ÷ +125 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Brittleness Temperature	≤ -55 °C	ASTM D 746-98
Shrinking Ratio	3 : 1 ÷ 4 : 1	ASTM D 876-95a
Tensile Strength	≥ 10 MPa	ASTM D 638-98
Elongation	≥ 400%	ASTM D 638-98
Longitudinal Change	≤ 10%	ASTM D 2671-98
Water Absorption	≤ 0,1%	ISO 62-86
Dielectric Strength	≥ 20 kV / mm	ASTM D 149-97a
Volume Resistivity	≥ $1x10^{12}$ Ω cm	ASTM D 257-98
Fungi Resistance “	No growth “	ASTM G 21-96 ASTM D 638-98
Oil Resistance	Excellent	ISO 175-99
Environment Resistance	No damage	ASTM D 1693-98

* Typical values

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Standard length (mm)	Quantity per box (pcs)
12 / 3	12	3	1,5	1000 - 1500	500
16 / 4	16	4	1,5	1000 - 1500	400
19 / 6	19	6	2,0	1000 - 1500	200
30 / 8	30	8	2,0	1000 - 1500	100
40 /12	40	12	2,0	1000 - 1500	60
50 /16	50	16	2,5	1000 - 1500	40
63 /19	63	19	2,8	1000 - 1500	25
75 /22	75	22	3,0	1000 - 1500	20
95 /30	95	30	3,3	1000 - 1500	15
115/34	115	34	3,3	1000 - 1500	12
140/42	140	42	3,5	1000 - 1500	10

COLOURS

Black

** Free recovered

M 20
MPS 20

HEAVY WALL

PARED GRUESA

General Features
X-linked polyolefin heat shrinkable heavy wall tubing. Available in two versions: M20 non lined, MPS 20 lined by co-extruded hot melt adhesive coating. Suitable for electrical insulation and mechanical reinforce for cable power joints up to 1 kV.

Caracteristicas Generales
Tubo termocontraible de pared gruesa en poliolefina reticulada. Disponible en dos versiones: M20 sin adhesivo y MPS20 con adhesivo. Utilizado para la aislación electrica y protección mecánica de empalmes en cables de energía hasta 1kV.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	-55 °C ÷ +125 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Brittleness Temperature	≤ -55 °C	ASTM D 746-98
Shrinking Ratio	3 : 1 ÷ 4 : 1	ASTM D 876-95a
Tensile Strength	≥ 10 MPa	ASTM D 638-98
Elongation	≥ 400%	ASTM D 638-98
Longitudinal Change	≤ 10%	ASTM D 2671-98
Water Absorption	≤ 0,1%	ISO 62-86
Dielectric Strength	≥ 20 kV / mm	ASTM D 149-97a
Volume Resistivity	≥ $1x10^{12}$ Ω cm	ASTM D 257-98
Fungi Resistance "	No growth "	ASTM G 21-96 ASTM D 638-98
Oil Resistance	Excellent	ISO 175-99
Environment Resistance	No damage	ASTM D 1693-98

* Typical values

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Standard length (mm)	Quantity per box (pcs)
9 / 3	9	3	1,8	1000 - 1500	500
13 / 4	13	4	2,4	1000 - 1500	300
19 / 6	19	6	2,4	1000 - 1500	150
28 / 9 *	28	9	3,0	1000 - 1500	80
33 / 8	33	8	3,0	1000 - 1500	80
45 /12	45	12	4,1	1000 - 1500	45
51 /16	51	16	4,1	1000 - 1500	35
68 /22	68	22	4,1	1000 - 1500	20
85 /25	85	25	4,1	1000 - 1500	15
105/30	105	30	4,1	1000 - 1500	12
130/36	130	36	4,1	1000 - 1500	10
160/50 *	160	50	4,5	1000 - 1500	8
165/50	165	50	4,5	1000 - 1500	8
185/50	185	50	4,5	1000 - 1500	5

COLOURS

Black

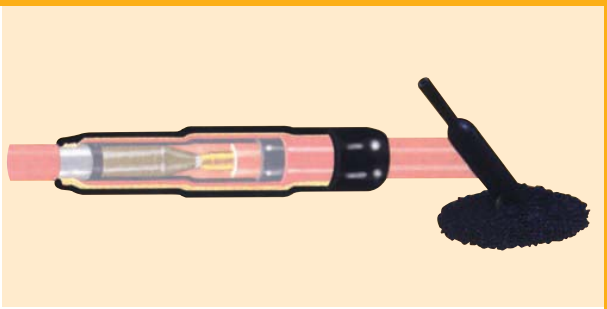
* Available only as M 20

** Free recovered

MSC

SEMICONDUCTIVE

SEMICONDUCTIVO

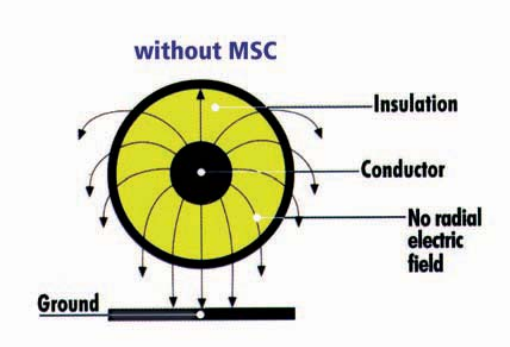


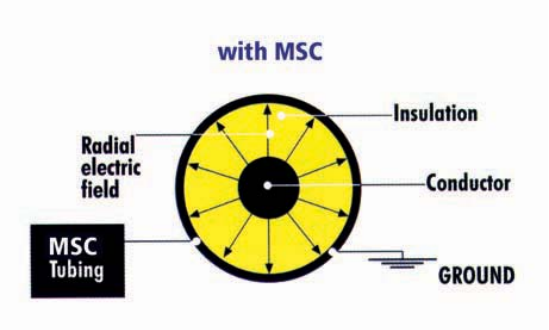
General Features

Semiconductive heat shrinkable tubing for medium voltage applications. Used to rebuild the cable shielding of power cable joints.

Caracteristicas Generales

Tubo termocontraible semiconductivo para aplicaciones en media tensión. Usado para reconstruir la pantalla de los cables, en empalmes de energía de media tensión.





FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	- 40 °C +105 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Tensile Strength	≥ 10 MPa	ASTM D 638-98
Elongation	≥ 300%	ASTM D 638-98
Longitudinal Change	≤ 10%	ASTM D 2671-98
Density	1.0 g / cm^3	ASTM D 792-98
Water Absorption	≤ 0,3%	ISO 62-86
Volume Resistivity	1x10^4 Ω cm	ASTM D 257-98
Fungi Resistance	No growth	ASTM G 21-96
"	"	ASTM D 638-98

* Typical values

Dimensions	D min (mm)	D max (mm)	T min** (mm)	Reel (m)	Reels per box (Nr)
30/12	30	12	2,2	50	2
44/16	44	16	2,2	40	2
65/20	65	20	2,7	40	2
70/26	70	26	2,7	40	2
95/35	95	35	3,0	40	2
110/40	110	40	3,0	30	2

COLOURS
Black

** Free recovered

GMT

HIGH INSULATION

TUBO DE ALTA AISLACIÓN

General Features

Heat shrinkable tube with high insulation performance used in power cable joints for MV applications.

Caracteristicas Generales

Tubo termocontraible con alta funcionalidad aislante usado para aplicaciones en empalmes de media tensión.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	-40 °C ÷ +105 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Tensile Strength	≥ 10 MPa	ASTM D 638-98
Elongation	≥ 400%	ASTM D 638-98
Longitudinal Change	≤ 10%	ASTM D 2671-98
Density	1,15 g / cm^3	ASTM D 792-98
Water Absorption	≤ 0,2%	ISO 62-86
Dielectric Strength	≥ 15 kV / mm	ASTM D 149-97a
Volume Resistivity	≥ 1x10^{14} Ω cm	ASTM D 257-98
Permittivity (εr)	≤ 3,5	ASTM D 150-98
Fungi Resistance "	No growth "	ASTM G 21-96 ASTM D 638-98

* Typical values

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Reel (m)	Reels per box (Nr)
36/10	36	10	3,0	50	2
46/14	46	14	3,5	40	2
54/16	54	16	4,0	40	2
62/18	62	18	4,0	40	2
66/20	66	20	4,2	40	2
73/26	73	26	4,5	30	2
85/26	85	26	5,1	30	2
95/30	95	30	5,3	30	2

COLOURS

Red

** Free recovered

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GIS

DOUBLE LAYER

DOBLE CAPA

General Features

Heat shrinkable two layers tubing in X-linked polyolefin. The inner layer (red) provides high insulation, the external one (black) provides no metallic shielding. Suitable for heat shrinkable MV power cable joints.

Caracteristicas Generales

Tubo termocontraible de dos capas en poliolefina reticulada. La capa interior (roja) provee alta aislación, la externa (negra) provee a la reconstuccion de la pantalla no metálica. Usado para aplicaciones en empalmes de media tensión.

RED LAYER

FEATURES	RESULTS*	STANDARD
Tensile Strength	≥ 10 MPa	ASTM D 638-98
Elongation	≥ 400%	ASTM D 638-98
Density	1,15 g / cm3	ASTM D 792-98
Water Absorption	≤ 0,2%	ISO 62-86
Dielectric Strength	≥ 15 kV / mm	ASTM D 149-97a
Volume Resistivity	> $1x10^{14}$ Ω cm	ASTM D 257-98
Permittivity (εr)	3,5	ASTM D 150-98

BLACK LAYER

FEATURES	RESULTS*	STANDARD
Tensile Strength	≥ 10 MPa	ASTM D 638-98
Elongation	≥ 400%	ASTM D 638-98
Density	1,1 g / cm^3	ASTM D 792-98
Water Absorption	≤ 0,3%	ISO 62-86
Volume Resistivity	$1x10^4$ Ω cm	ASTM D 257-98

* Typical values

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Reel (m)	Reels per box (Nr)
36/10	36	10	4,2	50	2
46/14	46	14	4,8	40	2
54/16	54	16	5,0	40	2
62/18	62	18	5,5	30	2
66/20	66	20	5,6	30	2

COLOURS

Red and black

** Free recovered

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Standard length (mm)	Quantity per box (pcs)
73 /23	73	23	6,8	1000 - 1500	15
85 /26	85	26	6,8	1000 - 1500	18
95 /30	95	30	6,5	1000 - 1500	12
113 /34	113	34	6,5	1000 - 1500	10
135/49	135	49	7,5	1000 - 1500	8

COLOURS

Red and black

** Free recovered

MCC-J
MCC-T

STRESS RELIEF

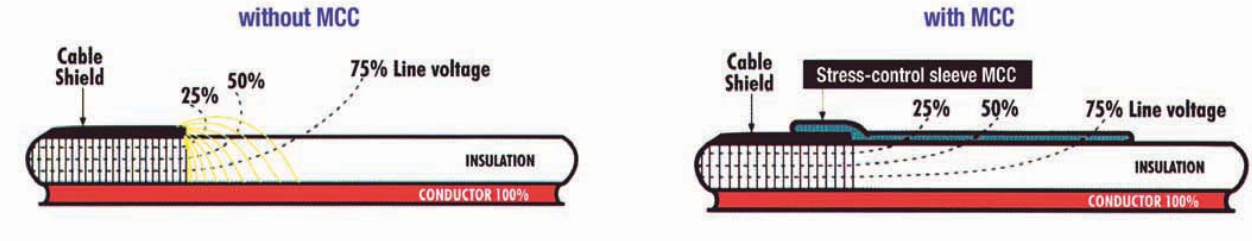
CONTROL DE CAMPO

General Features

Heat shrinkable tubing exclusively used as stress relief in medium voltage power cable accessories. Its main feature is the high permittivity value. Used to control electrical stress at the end of the screen in power cable joints (MCC - J version) and terminations (MCC - T version).

Caracteristicas Generales

Tubo termocontraible de uso exclusivo para controlar el campo eléctrico en los accesorios para cables de energía de media tensión. Tipo MCC-J exclusivo para empalmes. Tipo MCC-T exclusivo para terminales.



FEATURES	RESULTS*	STANDARD
Heat Shock (225°C)	No damage	ASTM D 2671-98
Tensile Strength	≥ 9 MPa	ASTM D 638-98
Ultimate Elongation	≥ 300%	ASTM D 638-98
Longitudinal Change	≤ 10%	ASTM D 2671-98
Water Absorption	≤ 0,1%	ISO 62
Volume Resistivity (ρv)	≥ $1x10^{10}$ Ω cm	IEC 60093-80
Loss Factor (tg δ) at 50 Hz - MCC - J	≤ 0,4	IEC 60250-69
Loss Factor (tg δ) at 50 Hz - MCC - T	≤ 0,8	IEC 60250-69
Permittivity (εr) at 50 Hz - MCC - J	≥ 35	IEC 60250-69
Permittivity (εr) at 50 Hz - MCC - T	≥ 30	IEC 60250-69

* Typical values

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Reel (m)	Reels for box (Nr)
26/10	26	10	2,8	50	2
38/14	38	14	2,9	50	2
47/17	47	17	2,9	40	2
55/21	55	21	2,9	40	2
65/24	65	24	2,9	40	2
80/30	80	30	2,9	30	2

COLOURS

Black

** Free recovered

Note: correct use of this sleeve is strictly depending from its dimensional characteristics, from the voltage to withstand, from the stress relief mastic characteristics and from the cable type. To make a proper choice, when designing a cable accessory, we suggest to contact our tecnical office.

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MAT

NO TRACKING

ANTICAMINO

General Features

No tracking red, heat shrinkable tubing for medium voltage applications. Used as high level insulaton on medium voltage power cable terminations.

Caracteristicas Generales

Tubo rojo anticamino termocontraible usado en aplicaciones de media tensión. Usado principalmente para conseguir un alto nivel de aislación en terminaciónes para cables de media tensión.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	-40 °C ÷ +105 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Tensile Strength	≥ 9 MPa	ASTM D 638-98
Elongation	≥ 500%	ASTM D 638-98
Longitudinal Change	≤ 10%	ASTM D 2671-98
Density	1,14 g / cm^3	ASTM D 792-98
Water Absorption	≤ 0,1%	ISO 62-86
Dielectric Strength	≥ 20 kV / mm	ASTM D 149-97a
Volume Resistivity	≥ 1x10^{14} Ω cm	ASTM D 257-98
Comparative Track Index	2 A 2,5	IEC 60587-84
Permittivity (εr)	3	ASTM D 150-98
Fungi Resistance	No growth	ASTM G 21-96 ASTM D 638-98

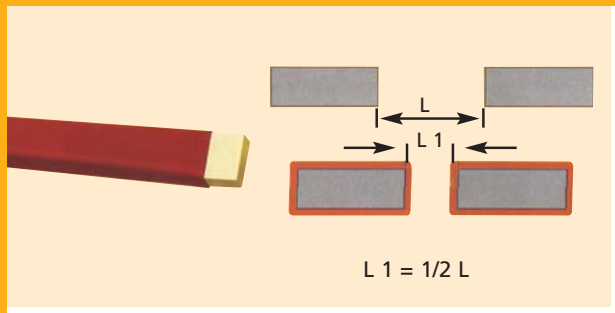
* Typical values

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Reel (m)	Reels per box (Nr)
30 /10	30	10	2,4	50	2
38 /12	38	12	2,6	50	2
49 /16	49	16	2,9	40	2
56 /21	56	21	3,0	40	2
70 /26	70	26	3,1	40	2
100/40	100	40	4,5	30	2

COLOURS

Red

** Free recovered



L 1 = 1/2 L

TBMT

BUSBAR, MEDIUM WALL

AISLACIÓN Y PROTECCIÓN DE BARRAS-PARED MEDIA

General Features
Medium wall flexible heat shrinkable tube for straight bus bars. To reduce to half the distance between two phases in high voltage switchboards.

Caracteristicas Generales
Tubo termocontraible de pared media para protección de barras. Posibilita la reducción a la mitad de la distancia entre dos fases en alta tensión.

Clearance dimensions insulated bar

Voltage max kV	Distance in air mm	On round busbar mm		On rectangular busbar mm	
		Ph./Ph.	Ph./gr.	Ph./Ph.	Ph./gr.
12	120	50	60	60	70
17,5	160	65	80	80	100
24	220	90	120	110	145
36	320	145	200	190	280

FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	-40 °C ÷ +105 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Tensile Strength	≥ 10 MPa	ASTM D 638-98
Elongation	≥ 400%	ASTM D 638-98
Longitudinal Change	≤ 15%	ASTM D 2671-98
Density	1,15 g / cm^3	ASTM D 792-98
Water Absorption	≤ 0,2%	ISO 62-86
Dielectric Strength	≥ 15 kV / mm	ASTM D 149-97a
Volume Resistivity	> $1x10^{14}$ Ω cm	ASTM D 257-98
Permittivity (εr)	≤ 3,5	ASTM D 150-98
Fungi Resistance	No growth	ASTM G 21-96
"	"	ASTM D 638-98

* Typical values

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Reel (m)	Reels for box (Nr)
30/12	30	12	2,6	50	2
50/20	50	20	2,6	40	2
75/30	75	30	3,5	40	2
100/40	100	40	4,0	25	2
120/50	120	50	4,0	25	2
150/60	150	60	4,0	25	2

COLOURS

Red

** Free recovered

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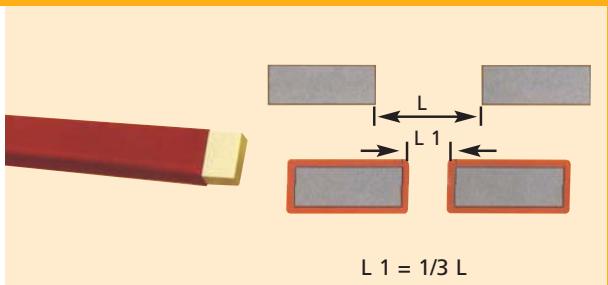
TBHT

BUSBAR, HEAVY WALL

AISLACIÓN Y PROTECCIÓN DE BARRAS PARED GRUESA



L 1 = 1/3 L

General Features
Heavy wall heat shrinkable tube for straight bus bars. To reduce to about one third the distance between two phases in high voltage switchboards.

Caracteristicas Generales
Tubo termocontraible de pared gruesa para protección de barras. Posibilita la reducción a un tercio de la distancia entre dos fases en alta tensión.

Clearance dimensions insulated bar

Voltage max kV	Distance in air mm	On round busbar mm		On rectangular busbar mm	
		Ph./Ph.	Ph./gr.	Ph./Ph.	Ph./gr.
12	120	30	40	35	45
17,5	160	45	60	55	65
24	220	60	90	70	100
36	320	100	160	140	190

FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	-40 °C ÷ +105 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Tensile Strength	≥ 10 MPa	ASTM D 638-98
Elongation	≥ 400%	ASTM D 638-98
Longitudinal Change	≤ 15%	ASTM D 2671-98
Density	1,15 g / cm^3	ASTM D 792-98
Water Absorption	≤ 0,2%	ISO 62-86
Dielectric Strength	≥ 15 kV / mm	ASTM D 149-97a
Volume Resistivity	> 1x10^{14} Ω cm	ASTM D 257-98
Permittivity (εr)	≤ 3,5	ASTM D 150-98
Fungi Resistance	No growth	ASTM G 21-96
"	"	ASTM D 638-98

* Typical values

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Reel (m)	Reels per box (Nr)
36/10	36	10	3,0	50	2
46/14	46	14	3,5	40	2
54/16	54	16	4,0	40	2
66/20	66	20	4,2	40	2
95/30	95	30	5,3	30	2

COLOURS

Red

** Free recovered

ICT

NO TRACKING RAIN SHEDS

CAMPANAS ANTICAMINO

General Features

No tracking red, heat shrinkable rain shed, including internal hot-melt adhesive. Suitable to increase external creepage length in power cable terminations.

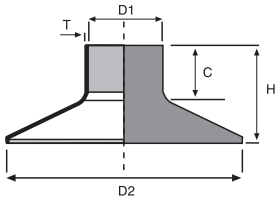
Caracteristicas Generales

Campanas termocontraibles anticamino rojas, con adhesivo interno. Utilizadas para incrementar la distancia de dispersion exterior, en terminaciónes para cables de energía de media tensión.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	-40 °C ÷ +105 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Tensile Strength	≥ 8 MPa	ASTM D 638-98
Elongation at break	≥ 200%	ASTM D 638-98
Longitudinal Change	≤ 10%	ASTM D 2671-98
Density	1,2 g / cm^3	ASTM D 792-98
Water Absorption	≤ 0,3%	ISO 62-86
Dielectric Strength	≥ 20 kV / mm	ASTM D 149-97a
Volume Resistivity	> $1x10^{14}$ Ω cm	ASTM D 257-98
Comparative Track Index	2 A 2,5	IEC 60587-84
Permittivity (εr)	≤ 3	ASTM D 150-98
Fungi Resistance "	No growth "	ASTM G 21-96 ASTM D 638-98

* Typical values

Type	EXPANDED			Recovered				
	D1 (mm)	D2 (mm)	T (mm)	D1 (mm)	D2 (mm)	H (mm)	T** (mm)	C (mm)
ICT 1	40	93	1,5	14	93	50	3	28
ICT 2	54	115	1,5	20	115	55	3,5	28
ICT 3	74	135	1,5	32	135	60	3,5	28



COLOURS

Red

** Free recovered

elcon megarad

ELCOTERM HSAB

NO TRACKING ANGLE BOOTS

BOTA EN ANGULO ANTICAMINO

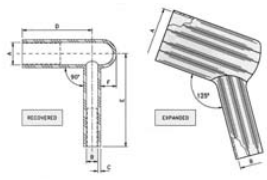
General Features
Heat shrinkable no tracking angle boot in X-linked polyolefin. Used in switchgear and transformer boxes where air clearances between power cable terminations are insufficient to withstand surges induced during working life, or to protect against flashover due to rodents or high humidity.

General Features
Bota termocontraible en angulo anticamino en poliolefina reticulada. Se utiliza en cabinas y cajas de transformadores donde la distancia en aire entre los terminaciónes son insuficientes para resistir picos de corriente durante la vida laboral o en protecciones contra el flashover debido a ambientes de alta humedad o acciones de roedores.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Limits	- 40 ÷ + 105 °C	-
Water absorption	< 0,3 %	ISO 62-86
Density	1,2 g / cm^3	ASTM D 1505
Tensile Strength	> 8 MPa	ASTM D 638-98
Elongation	≥ 200%	ASTM D 638-98
Permittivity (εr)	< 3	ASTM D 150-98
Dielectric Strength	≥ 15 kV / mm	ASTM D 149-97a
Volume Resistivity	> 1 x 10^{14} Ω cm	ASTM D 257-98
Tracking Resistance	NO TRACKING	ASTM D 2303

* Typical values

Type	EXPANDED		Recovered					
	A (mm)	B (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
ELCOTERM HSAB 1	70	26	35	13	4	110	130	25
ELCOTERM HSAB 2	90	36	55	19	4,5	110	140	25
ELCOTERM HSAB 2S	90	36	55	19	4,5	75	140	25
ELCOTERM HSAB 3	95	67	37	27	4,5	120	140	25



COLOURS

Red

ELCOTERM HSSB

NO TRACKING STRAIGHT BOOTS

BOTA ANTICAMINO RECTA

General Features

Heat shrinkable no tracking straight boot in X-linked polyolefin. Used in switchgear and transformer boxes where air clearances between power cable terminations are insufficient to withstand surges induced during working life or to protect against flashover due to rodents or high humidity.

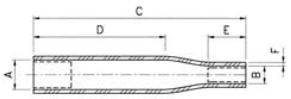
General Features

Bota termocontraible recta anticamino en poliolefina reticulada. Se utiliza en cabinas y cajas de transformadores donde la distancia en aire entre los terminaciónes son insuficientes para resistir picos de corriente durante la vida laboral o en protecciones contra el flashover debido a ambientes de alta humedad o acciones de roedores.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Limits	- 40 ÷ + 105 °C	-
Water absorption	< 0,3 %	ISO 62-86
Density	1,2 g / cm^3	ASTM D 1505
Tensile Strength	> 8 MPa	ASTM D 638-98
Elongation	≥ 200%	ASTM D 638-98
Permittivity (εr)	< 3	ASTM D 150-98
Dielectric Strength	≥ 15 kV / mm	ASTM D 149-97a
Volume Resistivity	> 1 x 10^{14} Ω cm	ASTM D 257-98
Tracking Resistance	NO TRACKING	ASTM D 2303

* Typical values

Type	EXPANDED		Recovered					
	A (mm)	B (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
ELCOTERM HSSB 1	68	45	24	18	220	120	40	3
ELCOTERM HSSB 2	85	56	36	26	220	120	40	3,5



COLOURS
Red

elcon megarad

ELCOTERM SCB

SEMI-CONDUCTIVE CABLE BREAK-OUT

BOTA SEMICONDUCTIVA

General Features

Heat shrinkable semi-conductive break-out in X-linked polyolefin, providing the crutch insulation and sealing in 3 core paper insulated cable terminations, up to 36 kV.

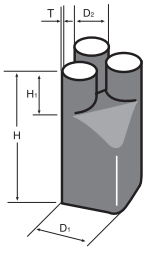
Caracteristicas Generales

Bota termocontraible semiconductiva en poliolefina reticulada. Permite de aislar y sellar la apertura de las phases. En cables tripolares aislados en papel aceite hasta 36kV.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Limits	- 40÷ +100 °C	-
Water absorption	< 0,5 %	ISO 62-86
Density	1,05 g / cm^3	ASTM D 1505
Tensile Strength	> 12 MPa	ASTM D 638-98
Elongation	≥ 300%	ASTM D 638-98
Volume Resistivity	< 1 x 10^7 Ω cm	ASTM D 257-98

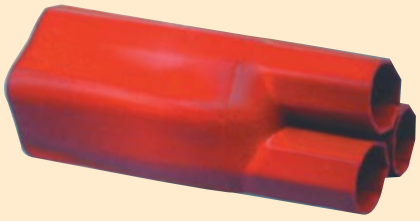
* Typical values

Type	EXPANDED		Recovered				
	D1 (mm)	D2 (mm)	d1 (mm)	d2 (mm)	H (mm)	H1 (mm)	T (mm)
ELCOTERM SCB 50/20	50	22	20	8	170	55	2,5
ELCOTERM SCB 75/33	75	35	33	13	200	60	3,0
ELCOTERM SCB 110/50	110	50	50	20	220	65	3,0
ELCOTERM SCB 135/55	135	65	55	29	240	65	3,0



COLOURS

Black



ELCOTERM ATB

NO TRACKING CABLE BREAK-OUT

BOTAS ANTICAMINO

General Features

Heat shrinkable no tracking break-out in X-linked polyolefin, providing the crutch insulating and sealing in three-core XLPE insulated cable terminations, up to 36 kV. The mastic sealant coating provides a water tight environmental seal to the cable.

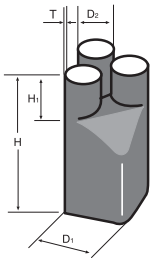
Caracteristicas Generales

Bota termocontraible anticamino en poliolefina reticulada. Permite de aislar y sellar la apertura de las phases. Terminales para cables tripolares asilados en XLPE, hasta 36kV.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Limits	- 40 ÷ + 100 °C	-
Water absorption	< 0,5 %	ISO 62-86
Density	1,15 g / cm^3	ASTM D 1505
Tensile Strength	> 12 MPa	ASTM D 638-98
Elongation	≥ 300%	ASTM D 638-98
Permittivity (εr)	< 5	ASTM D 150-98
Dielectric Strength	> 10 kV / mm	ASTM D 149-97a
Volume Resistivity	> 1 x 10^{14} Ω cm	ASTM D 257-98
Tracking Resistance	2 A 2,5	IEC 60587-84

* Typical values

Type	EXPANDED		Recovered				
	D1 (mm)	D2 (mm)	d1 (mm)	d2 (mm)	H (mm)	H1 (mm)	T (mm)
ELCOTERM ATB 50/20	50	22	20	8	170	55	2,5
ELCOTERM ATB 75/33	75	35	33	13	200	60	3,0
ELCOTERM ATB 110/50	110	50	50	20	220	65	3,0
ELCOTERM ATB 135/55	135	65	55	29	240	65	3,0



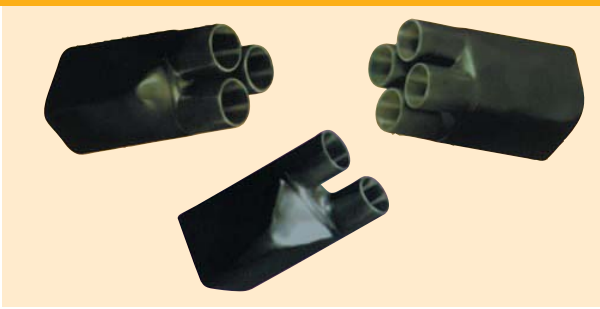
COLOURS

Red

ELCOTERM TES

LOW VOLTAGE CABLE BREAK OUT

BOTAS TERMOCONTRAIBLE PARA CABLES DE BAJA TENSIÓN



General Features

Heat shrinkable cable breakout in X-linked polyolefin with adhesive coating. Available in 2, 3 or 4 ways. Provides cable sealing, strain relief and mechanical protection.

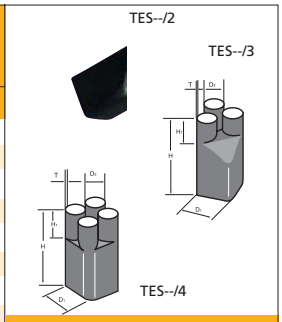
Caracteristicas Generales

Bota termocontraible en poliolefina reticulada con adhesivo interno. Disponible en 2, 3 ó 4 dedos. Provee sellado del cable otorgando estanquiedad y protección electrica y mecánica.

FEATURES	VALUE*	UNIT	STANDARD
Density	0,95 ÷ 1,35	g / cm³	ASTM D 792
Tensile Strength	> 12	N / mm² (MPA)	ASTM D 638
Ultimate Elongation	> 350	%	ASTM D 638
Water Absorption	< 0,5	%	ASTM D 570
Dielectric Strength	> 12	KV / mm	ASTM D 149
Volume Reistivity	1 x 10 E14	Ohm / cm	ASTM D 257
Continuos Temperature Range	- 40 ÷ 100	°C	IEC 216
Shrink Temperature	120 ÷ 140	°C	IEC 216
Heat Shock (225°C)	No Damage	-	ASTM D 2671

* Typical values

Type	EXPANDED / Recovered		Recovered			Quantity per box
	D1 / d1 (mm)	D2 / d2 (mm)	H (mm)	H1 (mm)	T**(mm)	(pcs)
ELCOTERM TES 0151/2	32 / 11	13 / 4,5	85	20	2	200
ELCOTERM TES 0152/2	50 / 24	21 / 8	120	35	3	150
ELCOTERM TES 0151/3	36 / 15	14 / 4	100	20	2	100
ELCOTERM TES 0152/3	52 / 21	22 / 8	185	60	2,8	50
ELCOTERM TES 0153/3	78 / 34	35 / 12	215	70	3,2	50
ELCOTERM TES 0154/3	110 / 49	50 / 18	235	90	3,8	50
ELCOTERM TES 0155/3	140 / 58	65 / 29	255	100	3,4	50
ELCOTERM TES 0151/4	41 / 17	13 / 4	95	20	1,7	200
ELCOTERM TES 0151/4-1	49 / 18	14 / 5	95	20	1,7	200
ELCOTERM TES 0152/4	57 / 28	20 / 7	170	50	2,5	100
ELCOTERM TES 0153/4	66 / 29	25 / 8	170	50	2,5	50
ELCOTERM TES 0154/4	89 / 44	34 / 13	210	50	2,6	50



COLOURS

Black

** Free recovered

ELCOCAP M10

CABLE END CAPS

CAPUCHONES

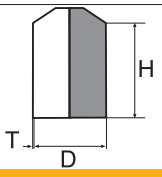
General Features
Heat shrinkable cable end cap in X-linked polyolefin with adhesive coating. Suitable for power or telecom cable end sealing.

Caracteristicas Generales
Capuchones termocontraibles en poliolefina reticulada con adhesivo interno. Utilizado en el sellado de las puntas de cables de energía o telefónicos.

FEATURES	VALUE*	UNIT	STANDARD
Density	0,95 ÷ 1,35	g / cm³	ASTM D 792
Tensile Strength	> 12	N / mm² (MPA)	ASTM D 638
Ultimate Elongation	> 350	%	ASTM D 638
Water Absorption	< 0,5	%	ASTM D 570
Dielectric Strength	> 12	KV / mm	ASTM D 149
Volume Reistivity	1 x 10 E14	Ohm / cm	ASTM D 257
Continuos Temperature Range	- 40 ÷ 100	°C	IEC 216
Shrink Temperature	120 ÷ 140	°C	IEC 216
Heat Shock (225°C)	No Damage	-	ASTM D 2671

* Typical values

Type	EXPANDED/ Recovered D / d (mm)	Expanded H (mm)	Recovered T** (mm)	Quantity per box (pcs)
ELCOCAP M10 12/5	12 / 5	40	1,2	1500
ELCOCAP M10 20/9	20 / 9	55	2,5	1000
ELCOCAP M10 35/15	35 / 15	90	3,0	350
ELCOCAP M10 55/25	55 / 25	100	3,5	100
ELCOCAP M10 75/40	75 / 40	120	3,5	100
ELCOCAP M10 100/45	100 / 45	140	4,0	50
ELCOCAP M10 120/60	120 / 60	150	4,0	50



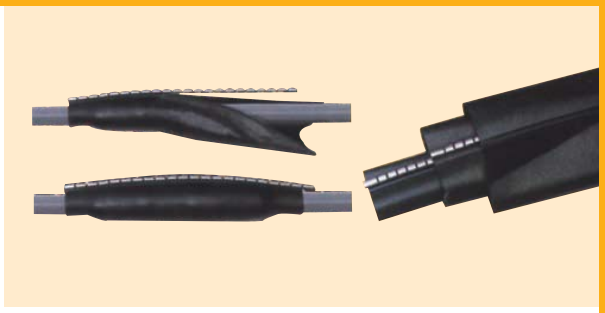
COLOURS

Black

** Free recovered

elcon megarad

WAC



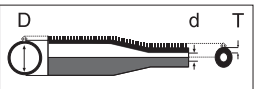
General Features
Heat shrinkable, wrap around sleeve. It's an open sleeve coated with hot melt adhesive, applied by wrapping around the cable. Generally used for cable repair. Provided with slide-on metal channels.

Caracteristicas Generales
Es una manta termocontraible abierta y en uno de sus lados recubierta de adhesivo. Esto posibilita aplicarla envolviendo el cable alrededor del mismo. Su uso general para reparación de cables. Se provee con un cierre metalico.

FEATURES	RESULTS*	STANDARD
Continuous Temperature Range	-40 °C ÷ +125 °C	-
Heat Shock (225°C)	No damage	ASTM D 2671-98
Tensile Strength	≥ 17 MPa	ASTM D 638-98
Elongation	≥ 400%	ASTM D 638-98
Secant Modulus 2%	≥ 160 MPa	ASTM D 882-97
Water Absorption	≤ 0,15%	ISO 62-86
Dielectric Strength	≥ 12 kV / mm	ASTM D 149-97a
Volume Resistivity	$1x10^{14}$ Ω cm	ASTM D 257-98
Fungi Resistance "	No growth "	ASTM G 21-96 ASTM D 638-98

* Typical results

Dimensions	D min (mm)	d max (mm)	T min** (mm)	Standard length (mm)	Quantity per box (pcs)
50 /15	50	15	1,5	1000 - 1500	-
75 /22	75	22	1,5	1000 - 1500	-
105/30	105	30	1,5	1000 - 1500	-
146/38	146	38	1,5	1000 - 1500	-
188/55	188	55	1,5	1000 - 1500	-



COLOURS

Black

** Free recovered

elcon megarad

TAPES and RESINS
CINTAS y RESINAS

ELCOPLAST 51

General Features
PVC self-adhesive tape, self-extinguishing with good dielectric performance. Suitable for electric insulation and cable coding.

Caracteristicas Generales
Cinta auto adhesiva de PVC, autoextinguente con excelente performance dieléctrica. Utilizada para aislación eléctrica y codificación de cables.

FEATURES	RESULTS*	STANDARD
Material	PVC	-
Tensile Strength	25 N/cm	CEI EN-60454
Elongation	180%	CEI EN-60454
Dielectric Strength	40 kV/mm	CEI EN-60454
Adhesion on steel	1,8 N/cm	CEI EN-60454
Backing Adhesion	1,8 N/cm	CEI EN-60454
Working Temperature	-10 +90 °C	-
Flammability	Self-extinguishing	CEI EN-60454

*Typical values

Type	Length m	Width mm	Thickness mm	Colours
ELCOPLAST 51 10 x 15	10,0	15,0	0,13	Black, red, yellow, green, blue, grey, white, yellow-green.
ELCOPLAST 51 25 x 19	25,0	19,0	0,13	
ELCOPLAST 51 25 x 25	25,0	25,0	0,13	

ELCOPLAST 69

General Features
High dielectric performance, self-adhesive PVC tape. Used, where high insulation reliability and long life are required. Self-extinguishing.

Caracteristicas Generales
De alta performance dieléctrica cinta auto adhesiva de PVC. Utilizada en lugares donde es necesario una fiabilidad en el alto grado de aislación y en su larga vida. Auto-extinguente.

FEATURES	RESULTS*	STANDARD
Material	PVC	-
Tensile Strength	35 N/10mm	CEI EN-60454
Elongation	180%	CEI EN-60454
Dielectric Strength	40 kV/mm	CEI EN-60454
Adhesion on steel	1,8 N/cm	CEI EN-60454
Backing Adhesion	1,8 N/cm	CEI EN-60454
Working Temperature	-10 + 90°C	-
Flammability	Self-extinguishing	CEI EN-60454

*Typical values

Type	Length m	Width mm	Thickness mm	Colours
ELCOPLAST 69 20 x 19	20,0	19,0	0,18	Black, Gray

PVC

ELCOVIS 44

General Features

PVC self-adhesive tape, self-extinguishing. Good dielectric and mechanical performance. Used for electric insulation and mechanical covering.

Caracteristicas Generales

Cinta autoadhesiva de PVC autoextinguente. De muy buena performance dieléctrica y mecánica. Usado para aislación electrica y protección mecánica.

FEATURES	RESULTS*	STANDARD
Material	PVC	-
Tensile Strength	40 N/10mm	CEI EN-60454
Elongation	200%	CEI EN-60454
Dielectric Strength	40 kV/mm	CEI EN-60454
Adhesion on steel	1,5 N/cm	CEI EN-60454
Backing Adhesion	1,5 N/cm	CEI EN-60454
Working Temperature	+90 °C	-
Flammability	Self-extinguishing	CEI EN-60454

*Typical values

Type	Length m	Width mm	Thickness mm	Colours
ELCOVIS 44 20 x 38	20,0	38,0	0,20	Clear ☐

POLYESTER

ELCOGLASS 45

General Features

Fibre-glass reinforced, self-adhesive, polyester tape. High tensile st ength resistance.

Caracteristicas Generales

Cinta auto adhesiva de polyester reforzada con fibra de vidrio, de alta resitencia a la tracción.

FEATURES	RESULTS*	STANDARD
Material	Polyester	-
Tensile Strength	> 250 N/cm	CEI EN-60454
Adhesion on steel	9,6 N/cm	CEI EN-60454
Working Temperature	+90 °C	-

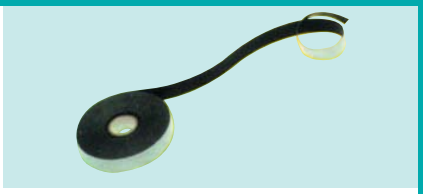
*Typical values

Type	Length m	Width mm	Thickness mm	Colours
ELCOGLASS 45 10 x 38	10,0	38,0	0,12	Clear ☐

elcon megarad

ELCOTAPE 42

INSULATING
AISLANTE



General Features
Elastomer based, self-bonding, insulating tape. Provides excellent insulation and mechanical strength.

Caracteristicas Generales
Cinta aislante autosoldable a base de elastómeros. Provee una excelente aislación y resistencia mecánica.

FEATURES	RESULTS*	STANDARD
Material	EPR	-
Tensile Strength	≥ 14 N/cm	ASTM D 412
Elongation	≥ 800 %	ASTM D 412
Dielectric Strength	≥ 40 kV/mm	ASTM D 149
Volume Resistivity	10^{13} Ω x cm	ASTM D 257
Loss Factor (tg δ)	≤ 0,008	ASTM D 150
Permittivity (εr)	2,8	ASTM D 150
Working Temperature	-40 ÷ + 90 °C	-

*Typical values

Type	Length m	Width mm	Thickness mm	Colours
ELCOTAPE 42 4,5 x 19	4,5	19,0	0,75	Black
ELCOTAPE 42 9,0 x 19	9,0	19,0	0,75	

ELCOFIL 62

SEALING
SELLADORA

General Features
Butyl based, self-bonding, insulating tape. Suitable for filling and sealing voids. Good dielectric performance.

Caracteristicas Generales
Cinta aislante autosoldable a base de masilla butílica. Adecuada para el relleno y sellado de huecos. Alta performance dieléctrica.

FEATURES	RESULTS*	STANDARD
Material	Butylic	-
Elongation	≥ 500 %	ASTM D 412
Dielectric Strength	3 kV/mm	ASTM D 149
Volume Resistivity	10^{12} Ω x cm	ASTM D 257
Working Temperature	0 ÷ + 80 °C	-

*Typical values

Type	Length m	Width mm	Thickness mm	Colours
ELCOFIL 62	1,5	38,0	3,0	Black

SELF-BONDING / AUTO SOLDABLE

ELCOSEM 46

SEMI-CONDUCTIVE

General Features

Elastomer based, self-bonding, semi-conductive tape. Suitable to reduce electric field gradients due to cable connectors and lugs irregular surfaces, in medium voltage power cable accessories.

Caracteristicas Generales

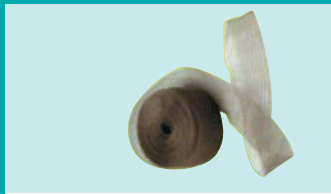
Cinta semiconductiva autosoldable a base de elastomeros. Adapta a reducir el gradiente de campo elettrico, debido a superficie irregulare de connectores y terminales metallicos in accesorios de media tension.

FEATURES	RESULTS*	STANDARD
Material	EPR	-
Tensile Strength	≥ 12 N/cm	ASTM D 412
Elongation	≥ 750 %	ASTM D 412
Working Temperature	-10 ÷ + 100 °C	-

*Typical values

Type	Length m	Width mm	Thickness mm	Colours
ELCOSEM 46	5,0	19,0	0,75	Black

SHIELDING / PANTALLA



ELCOSHIELD 49

General Features

Tinned copper mesh tubular tape. Suitable to restore the cable shield in power cable joints.

Caracteristicas Generales

Cinta de malla tubular en cobre estañado. Adecuado para restaurar las pantallas de los cables en empalmes para cables de energía.

FEATURES	RESULTS*	STANDARD
Material	Tinned copper	-
Tensile Strength	35 N/cm	ASTM D 412
Elongation	70 %	ASTM D 412
Volume Resistivity	0,3 Ω x cm	ASTM D 257

*Typical values

Type	Width mm	Thickness mm
ELCOSHIELD 49	30,0	0,40
ELCOSHIELD 49	60,0	0,40
ELCOSHIELD 49	100,0	0,40

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THERMOPLASTIC

ELCOMASTIC 83

General Features

Thermoplastic mastic tape, suitable for sealing and electric insulation in medium voltage power cable accessories.

Caracteristicas Generales

Massilla termo/plastica, permite una excelente aislacion y sellado. En accesorios para cable de media tension.

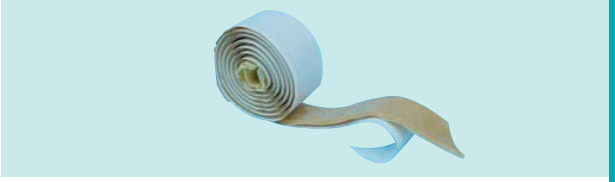
FEATURES	RESULTS*	STANDARD
Density	1,3 g/cm^3	ASTM D 792
Dielectric Strength	≥ 15 kV/mm	ASTM D 792
Volume Resistivity	≥ 10^{12} Ω x cm	ASTM D 792
Comparative track index	2 A 3,0	IEC 60587-84
Elongation	≥ 500 %	ASTM D 638

*Typical values

Type	Length m	Width mm	Thickness mm	Colours
ELCOMASTIC 83	1,0	25,0	0,8	Red
ELCOMASTIC 83 (REEL)	175	25,0	0,8	

STRESS RELIEF

ELCOMASTIC 85



General Features

Thermo plastic mastic, for electrical stress control, in connector area and semiconductive gap filling for M.V. power cable accessory applications. High permettivity value and enhanced mechanical properties.

Caracteristicas Generales

Masilla termo plástica para control de campo eléctrico usada, en el area de conectores y llenado de los gap semiconductivos en los accesorios para cables de energía de Media tensión. Alta permettivity y excelentes propiedades mecánicas.

FEATURES	RESULTS*	STANDARD
Density	1,25 g/cm^3	ASTM D 792
Tensile Strength	≥ 0,5 MPa	ASTM D 638
Elongation	> 500 %	ASTM D 638
Volume Resistivity	10^{10} Ω x cm	ASTM D 257
50 Hz Loss Factor (tgδ)	< 0,7	IEC 250
Permittivity (εr)	> 15	IEC 250

Type	Length m	Width mm	Thickness mm	Colours
ELCOMASTIC 85	1,0	25,0	1,6	Yellowish
ELCOMASTIC 85 (15 Reels in drum)	125 / reel	25,0	1,6	

POLYURETHANE

ELCORES 405

HARDNESS 28 Sh D

General Features

Two components, polyurethane based compound hardening at room temperature. The system has high dielectric characteristics. It is suitable to build up insulation in telecom, signalling and low voltage power cable accessories in more severe and damp environments. The compound packed in transparent bag with separator rod, contained in a flexible aluminium guard bag, is supplied in the correct mixing ratio ready for use. ***Standard packaging:*** Flex bags: 0,3 lt; 0,4 lt; 0,55 lt; 0,8 lt; 1,2 lt; 1,4 lt; 1,6 lt; 2 lt; 2,4 lt. Different sizes are available on request.

Caracteristicas Generales

Compuesto de dos elementos a base de poliuretano, endurecimiento a temperatura ambiente. El sistema con elevadas características dieléctricas, es adecuado para realizar el aislamiento en los accesorios para cables de telecomunicaciones, señalamiento y de energía en baja tensión en condiciones ambientes severo. El compuesto es presentado en una bolsa transparente con una varilla separadora de los compuestos y recubierto por una bolsa de aluminio flexible para su correcta protección. Las mismas contienen la adecuada cantidad para realizar mescla correcta para su uso.

FEATURES	RESULTS*	STANDARD
Water absorption	< 0,2 %	ASTM D 570
Glass transition temperature	10 °C	ASTM D 3418
Mixing ratio	100 : 30	-
Dynamic viscosity	1000 mPa.s	ASTM D 2393
Gel time	25 min	ASTM D 2471
Exothermal temperature	< 90 °C	ASTM D 2471
Density	1,22 g/cm^3	ASTM D 2471
Total curing time	24 h	ASTM D 2471
Volume resistivity	> 1x10^{14} Ω x cm	ASTM D 257
Surface resistivity	> 1x10^{15} Ω	ASTM D 257
Dielectric strength	> 13 kV / mm	ASTM D 149
Dielectric constant at 50 Hz	7,4	ASTM D 150
Hardness	28 Sh D	ASTM D 2240
Tensile strength	4 N / mm^2	ASTM D 638
Elongation	45 %	ASTM D 638

*Typical values

EPOXY

ELCORES 54

HARDNESS 96 Sh A

General Features

Two components epoxy thermosetting compound. The system has high dielectric properties suitable to insulating and protecting telecom, low and medium voltage cable accessories. It adheres perfectly to metals, rubber and thermoplastic materials. The compound packed in transparent bag with separator rod, contained in a flexible aluminium guard bag, is supplied in the correct mixing ratio ready for use. ***Standard packaging:*** Flex bags: 210 g, 420 g. Different sizes are available on request.

Caracteristicas Generales

Compuesto de dos componentes termoestables a base de Epoxi. El sistema tiene elevadas propiedades dieléctricas y aislantes para una adecuada protección en accesorios para cables de telecomunicaciones y en cables de baja y media tensión. Se adhiere perfectamente a metal, goma y materiales termoplásticos. El compuesto se presenta en bolsas transparentes con una varilla separadora, recubiertas en una bolsa de aluminio flexible. Se suministra con las mesclas correctas listas para su uso.

FEATURES	RESULTS*	STANDARD
Water absorption	< 0,3 %	ASTM D 570
Glass transition temperature	30 °C	ASTM D 3418
Mixing ratio	100 : 100	-
Dynamic viscosity	1000 mPa.s	ASTM D 2393
Gel time	22 min	ASTM D 2471
Exothermal temperature	< 135 °C	ASTM D 2471
Density	1,06 g/cm^3	ASTM D 2471
Total curing time	15 h	ASTM D 2471
Volume resistivity	> 1x10^{13}Ω x cm	ASTM D 257
Surface resistivity	> 1x10^{14} Ω	ASTM D 257
Dielectric strength	> 15 kV / mm	ASTM D 149
Dielectric costant at 50 Hz	-	ASTM D 150
Hardness	96 Sh A	ASTM D 2240
Tensile strength	> 12 N / mm^2	ASTM D 638
Elongation	50 %	ASTM D 638

* Typical values

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EPOXY

ELCORES 99

HARDNESS 70 Sh D

General Features

Two components epoxy thermosetting compound. The system has high dielectric properties suitable for insulating and protecting signalling and low and medium voltage power cable accessories. It adheres perfectly to metals, rubber and thermoplastic materials. The compound packed in transparent bag with separator rod, contained in a flexible aluminium guard bag, is supplied in the correct mixing ratio ready for use. ***Standard packaging:*** Flex bags: 400 g, 600 g. Different sizes are available on request.

Caracteristicas Generales

Dos componentes de compuesto termoestable a base de epoxi. El sistema con elevadas propiedades dieléctricas es adecuado para realizzar el aislamiento y proteccion mecanica, en accesorios para cables de señalación y en cables de baja y media tensión. Se adhiere perfectamente a metal, goma y materiales termoplásticos. El compuesto se presenta en bolsas transparentes con una varilla separadora, recubiertas en una bolsa de aluminio flexible. Se suministra con las cantidades correctas para la mezcla listas para su uso.

FEATURES	RESULTS*	STANDARD
Water absorption	< 0,3 %	ASTM D 570
Glass transition temperature	50 °C	ASTM D 3418
Mixing ratio	100 : 90	-
Dynamic viscosity	1900 mP.as	ASTM D 2393
Gel time	70 min	ASTM D 2471
Exothermal temperature	< 130 °C	ASTM D 2471
Density	1,09 g/cm^3	ASTM D 792
Total curing time	24 h	ASTM D 2471
Volume resistivity	> 1x10$^{13}\Omega$ x cm	ASTM D 149
Surface resistivity	> 1x10$^{14}\Omega$	ASTM D 257
Dielectric strength	> 20 kV / mm	ASTM D 149
Hardness	70 Sh D	ASTM D 2240
Tensile strength	> 10 N / mm^2	ASTM D 638
Elongation	50 %	ASTM D 638

*Typical values

HAZARD FREE

ELCORES 88

HARDNESS 55 Sh 00

General Features

Two components re-enterable thermosetting compound. The system has high dielectric properties suitable for insulating and protecting signalling and telecom cable accessories. It adheres perfectly to metals, rubber and thermoplastic materials. The compound packed in transparent bag with separator rod, contained in a flexible aluminium guard bag, is supplied in the correct mixing ratio ready for use. ***Standard packaging:*** Flex bags: 400 g, 500g, 600 g, 750 g, 1500 g, 2500 g, 3000g. Different sizes are available on request.

Caracteristicas Generales

Dos componentes termoestables re-entrables. El sistema tiene elevadas propiedades dieléctricas y es adecuado para realizzar el aislamiento en accesorios para cables de señalización y telefónicos. Se adhiere perfectamente a metal, goma y materiales termoplásticos. El compuesto se presenta en bolsas transparentes con una varilla separadora, recubiertas en una bolsa de aluminio flexible. Se suministra con las medidas correctas de la mescla listas para su uso.

FEATURES	RESULTS*	STANDARD
Water absorption	< 0,1 %	ASTM D 570
Mixing ratio	100 : 100	-
Dynamic viscosity	1300 mP.as	ASTM D 2393
Gel time	50 min	ASTM D 2471
Exothermal temperature	< 30 °C	ASTM D 2471
Absolute gravity	0,91 g/cm^3	ASTM D 792
Total curing time	24 h	ASTM D 2471
Volume resistivity	> 1x10^{14} Ω x cm	ASTM D 257
Surface resistivity	> 1x10^{15} Ω	ASTM D 257
Dielectric strength	> 8 kV / mm	ASTM D 149
Hardness	55 Sh 00	ASTM D 2240
Tensile strength	< 0,1 N / mm^2	ASTM D 638
Elongation	80 %	ASTM D 638

* Typical values

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- January 2008 edition

- All the products listed in this catalogue can be modified without notice.
- All information in this catalogue is believed to be reliable. We suggest, however customers should separately evaluate the suitability of our products for their own application.