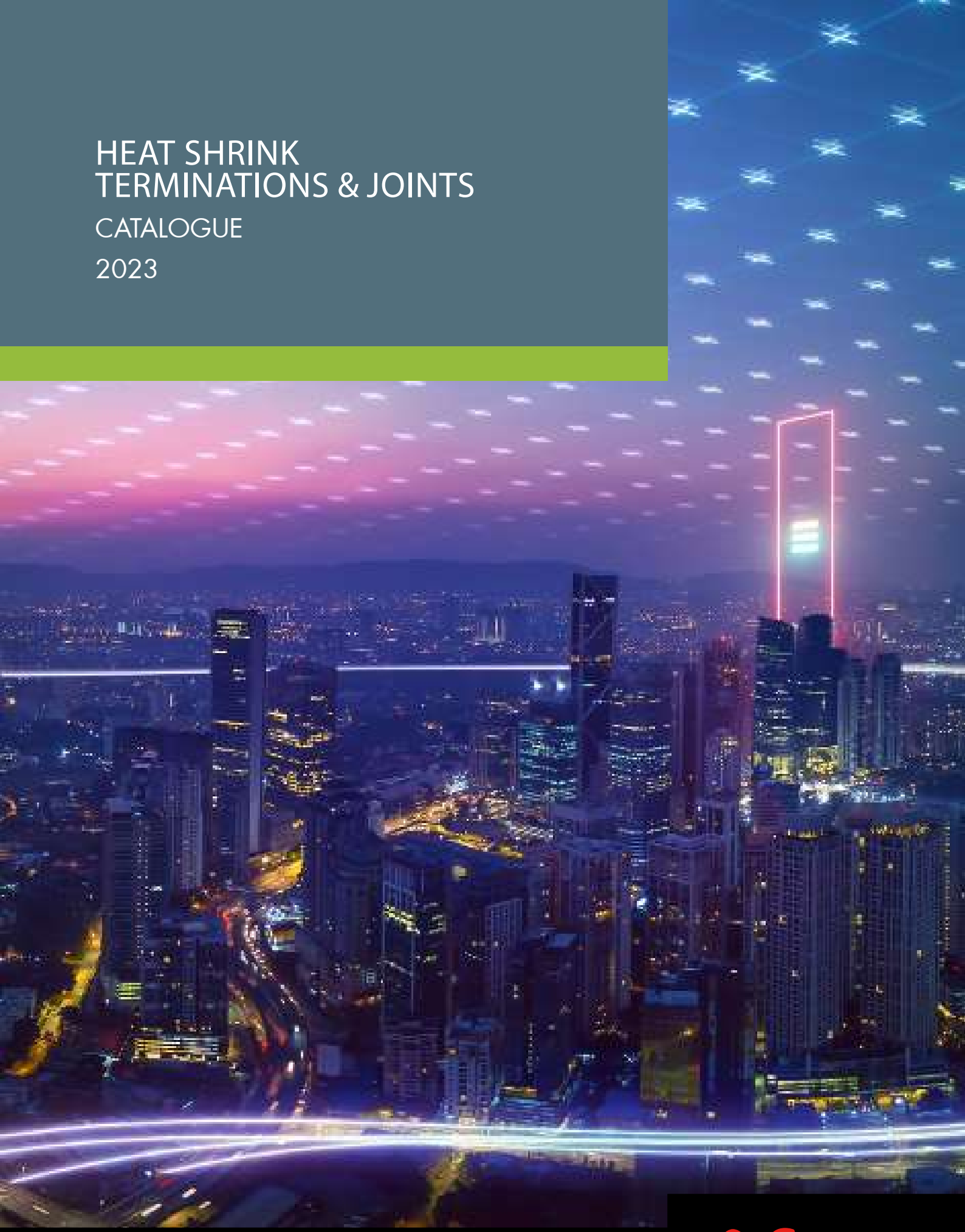
HEAT SHRINK TERMINATIONS & JOINTS

CATALOGUE

2023



Nexans

ELECTRIFY THE FUTURE

HEAT SHRINK TERMINATIONS & JOINTS

CATALOGUE

2023

INDEX

Nexans

Nexans
ELECTRIFY THE FUTURE

About the group

FOR OVER A CENTURY, NEXANS HAS PLAYED A CRUCIAL ROLE IN THE ELECTRIFICATION OF THE PLANET AND IS COMMITTED TO ELECTRIFY THE FUTURE.

The Group is leading the charge to the new world of electrification: safe, sustainable, renewable, decarbonized and accessible to everyone.
The Group is a leader in the design and manufacturing of cable systems and services across four main business areas: Building & Territories, High Voltage & Projects, Industry & Solutions and Telecom & Data.
Nexans is the first company of its industry to create a Foundation supporting sustainable initiatives bringing access to energy to disadvantaged communities worldwide. The Group pledge to contribute to carbon neutrality by 2030.

HISTORY
THE LIVING HISTORY OF NEXANS

Nexans is proud of its long lasting history of over 120 years. 120 years of innovation, flagship projects and international growth.
120 years of destiny that we owe to two remarkable personalities: François Borel, genius inventor, and Edouard Berthoud, brilliant industrialist.
With over a century of experience, Nexans has never stopped building the future of electricity and will continue for the years to come.
More than 120 years, 3 industrial revolutions... and starting a new chapter

INNOVATION BY NEXANS, INNOVATIVE BY NATURE

In 2019, Nexans completed the first chapter of an epic industrial story that started in the 19th century. After more than 120 years of conquests, major achievements and pioneering inventions, the Group is now starting the second chapter in its history.

LET'S GET CONNECTED

A full range of standardized or customized accessories for your low,medium and high voltage power networks.

Our solutions

Nexans is a leading specialized innovator, manufacturer and distributor of low, medium and high voltage accessories: cable joints and terminations, connectors and bushings, junction cabinets, ferrules and lugs, etc.

LEANER. SMARTER. SIMPLER.
FORNEXANS,INNOVATIONISTHEARTOFDOINGTHINGSBETTERFOR
THEBENEFITOFOURCUSTOMERSANDTHECOMMUNITY.

Company presentation

INTRODUCTION

The origins of the Nexans Offida began with a company called ITALCO founded in 1969. Three entrepreneurs from Milan set up the company in order to manufacture high quality metal-connectors for the Italian energy networks. The company's focus soon shifted towards the design and manufacturing of accessories for cable installers.

In 1990 the company was bought by the Alcatel group which for the first time delivered the global marketplace onto ITALCO's doorstep
In 2000, Alcatel decided to separate its "cable" activities within the group on a global scale and as a result of this move Nexans was created.

Nexans, from the Latin word "nexus" (link), active in the energy cable production, soon decided to create a highly specialized group of companies known as the Power Cable Accessories Business Unit (PCABU) in order to focus efforts on the sales and development of MV cable and cable accessories.
With expertise in various technologies, Nexans manufactures a wide variety of cable Accessories like cold shrink (Nexans Power Accessories France), heat shrink (Nexans Italia, Offida), slip on, screened connectors and bushings (Nexans Network Solutions, Euromold in Belgium), as well as ferrules and lugs with shear bolt technology (Nexans Power Accessories Germany, GPH in Hof).

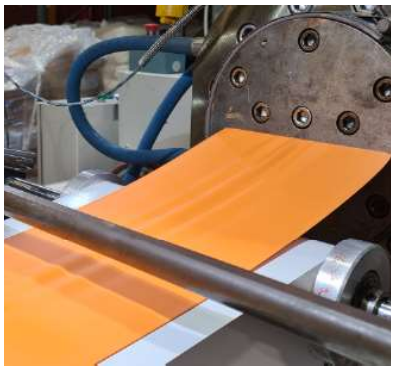
With a long experience in the production of accessories for electrical cables, Nexans has the competence to work with customers on a global scale and create personalized solutions that are specifically adapted to our clients requirements and environment.

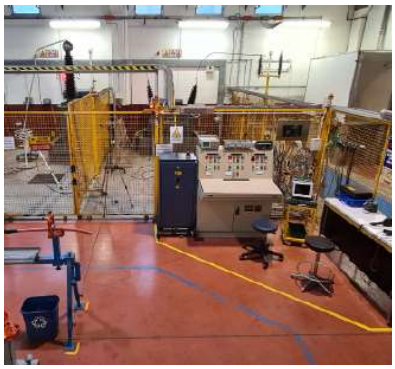
PRODUCTION

The production unit of Nexans Italia in Offida has been certified according to ISO 9001, ISO 14001 as well as ISO 45001 and ISO 37001.

Photovoltaic panels and a new high-efficiency air conditioning system were installed in the plant, thus reducing CO emissions by 290 tons/year.

In order to guarantee the highest level of quality to our end customers, the Offida plant is specialized in the production of all the core-components of its products such as: heat-shrink tubes, mastics and resins for electrical applications.





R&D AND LABORATORY

Heatshrink tubes Heatshrink technology dates back to 1960s. In Nexans, thanks to R&D activity, HS technology has been improved and tailored according to the market needs. Today we produce a complete range of tubes to cover Low and Medium voltage applications till 52kV in our Extruders/ Expanders lines with diameters starting from 20mm till 300mm and up to 4 different layers.

Mastics for electrical use: the complete range of our mastics have been developed and are manufactured totally in company, they are produced by means of a 630 liter mixer in a dedicated part of the plant.

Resins for electrical use, casting and insulating, have been designed by Nexans Italy for more than 35 years.

Our group of engineers and technicians use the most advanced tools and equipment to create, verify and test all our products among the different laboratories and material research centers of the Nexans group. Offida has extensive know how in the field of heat shrink materials as well as mastics.

We are well equipped to perform physical and chemical analysis of insulating, anti-tracking, and stress control materials, both for tubing and mastics. We supply training and failure analysis for all our customers. In the electrical laboratory we can perform type test and routine tes (PD measurement at hot and ambient temperature, heating cycles in air and water, humidity and salt fog).

Certifications


BUREAU VERITAS
Certification

NEXANS ITALIA SPA

Via Piemonte, 20 – 20096 PIOLTELLO (MI) - ITALY

Multisite certificate. Certified sites are listed in the appendix to this certificate

Bureau Veritas Italia S.p.A. certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015


NEXANS ITALIA SPA

Via Piemonte, 20 - 20096 PIOLTELLO (MI) - Italy

Certified sites are listed in the attachment to this certificate.

Bureau Veritas Italia S.p.A. certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015

Scope of certification


NEXANS ITALIA SPA

Via Piemonte, 20-20096 PIOLTELLO (MI) - Italy

This is a multi-site certificate, additional site(s) are listed on the next page(s)

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 45001:2018

Scope of certification

Design, manufacture and trading of: energy cables, telecommunication cables in copper and


BUREAU VERITAS
Certification

NEXANS ITALIA SPA

Registered Site :

Via Piemonte, 20 – 20096 PIOLTELLO (MI) – ITALY

This is a multi-site certificate, additional site are listed in the appendix to this certificate

Bureau Veritas Italia spa certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

Standard

ISO 37001:2016

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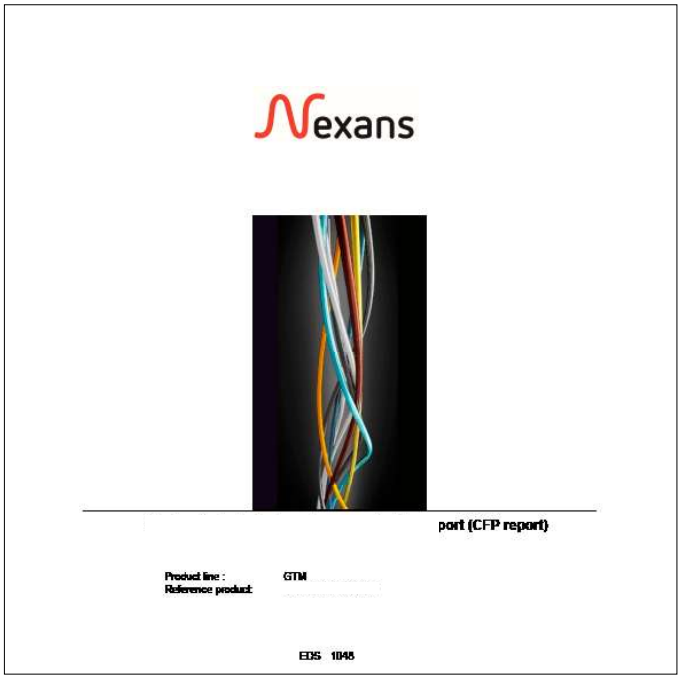

Nexans

port (CFP report)

Product line : GTM
Reference product:

EDS 1048


SGS

Greenhouse Gas Verification Statement Number
ISO 14067:2018 02-958-298633.2-02

Carbon Footprint of the specific Product :

24GT

based on their Life Cycle Assessment during 2020,
manufactured by

NEXANS

in the facilities located in Offida (Italy)

have been verified in accordance with ISO 14064-3:2018 and meeting the requirements of

ISO 14067:2018

For the following activities

The assessment considers all identifiable activities to provide as comprehensive as possible a view of the products cradle-to-grave life cycle. It is noted that for the purposes of this analysis the system was grouped into the following principal life cycle stages: Manufacturing stages, distribution, installation, use phase and end of life.

Approved by

Nexans
ELECTRIFY THE FUTURE

HEATSHRINKMEDIUMVOLTAGEINDOORANDOUTDOOR TERMINATIONSMONOIMONODEFORSINGLETHREECORE POLYMERICINSULATEDCABLESUPTOUMAXKV

DESIGN: ONE SINGLE TUBE "MONO" OF NEXANS

The tubing, which itself makes up the complete termination is the "GT12-T".
This tube is a co-extruded, outer layer anti tracking, inner layer stress control.
The tube utilizes a combination of already proven compounds made with different grades of polymers and additives, designed for Heat shrinkable terminations usage.
Co-extrusion manufacturing method brings benefits of reduced installation time and errors at the end user side.

TECHNICALASPECTS:

The terminations were primarily designed to offer a short tail length product and would be matching simple design and superior performances.
The indoor termination, while kept as short as possible, was required to pass 150 kV BIL for 24 kV voltage class and 200kV BIL for 42 kV voltage class, without adding any creepage extenders (rain sheds).

STRESSCONTROL

During the product qualification it was obvious that the short length of screen removed, and exposed insulation surface causes disruption of the electrical field and creates severe electrical stress at the screen cut.
In order to tackle and compensate the negative effects of these very short lengths, a combination of two different stress control material had to be used.

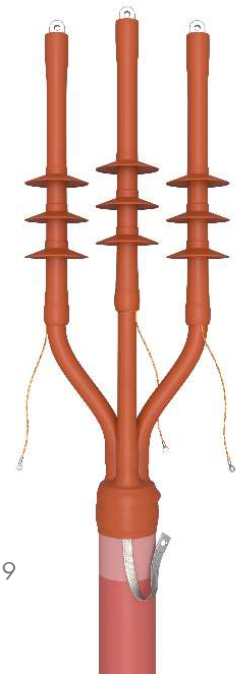
The built in stress control is the inner layer that is co-extruded and covers the full inner length of the tube.
The reason this stress control material can be applied on the terminations complete length is that the compound exhibits a linear impedance characteristic therefore can extend and be in contact with conductor area down to the screen.
The second stress control material is the MACD mastic that has a non-linear impedance characteristic which supports good impulse voltage withstand behavior.

SEALING

Sealing is provided by antitracking mastics applied over the lug barrel and onto the outer sheath of the cable.

INSULATION

The outer layer is an antitracking material designed for Heat shrinkable terminations usage in harshest environments.



CONTENT OF THE KIT

Each kit consists of the co extruded stress control–antitracking layers, a stress relief pad and sealing antitracking tapes. For 3-core cables, the kit also includes an antitracking break-out and tubing for customized tail lengths.

INSTALLATION

Each kit contains easy guided installation instructions with installation steps made by 3D pictures.

PRODUCTRANGE

The product line is designed for polymeric cables from 16 to 1200 mm² and up to Umax 42 kV with different screen type (CWS-CTS, Al Foil). The MONOs are fully type tested in accordance with IEC 60502-4 and the Cenelec Hd 629.1 standards.

LOW VOLTAGE TERMINATIONS

Index of products

1TTE

HEAT-SHRINK LOW VOLTAGE TERMINATION FOR ARMORED OR UNARMORED CABLE
Up to 0,6/1 (1,2) kV

APPLICATION

The 1TTE heat-shrink low voltage outdoor termination kits are designed for cables up to 4 cores with or without armor.
The adhesive coating on the lug sealing tubes, the breakout body and fingers provides a good environmental seal, while the cores are protected with thin or medium wall tubing.
All components are UV resistant.

KIT CONTENTS

- Breakout
- Core protection tube (thin or medium wall sleeves)
- Lug sealing tubes w. adhesive
- For armored cable: Armor continuity kit consist of corrosion protection sleeve and earth braid

Type tested acc. to:
EN 50393

Type	Application range (mm²)
1TTE3 & 1TTE 4.16 W	4÷16
1TTE3 & 1TTE 4.50 W	16÷50
1TTE3 & 1TTE 4.150 W	70÷150
1TTE3 & 1TTE 4.300 W	185÷300

Kits for unarmored cables

Type	Application range (mm²)
1TTE3 & 1TTE 4.16 i	4÷16
1TTE3 & 1TTE 4.50 i	16÷50
1TTE3 & 1TTE 4.150 i	70÷150
1TTE3 & 1TTE 4.300 i	185÷300

Kits for armored cables

1SES

HEAT-SHRINK LIVE END SEAL KITS FOR LOW VOLTAGE CABLES
Up to 0,6/1 (1,2) kV

APPLICATION

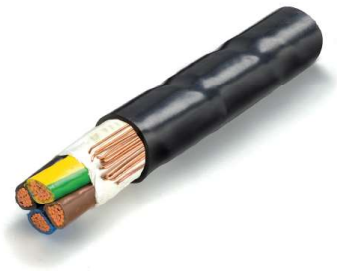
The SES kits provides insulation for energized LV cables.
The end caps are spiral coated with adhesive, therefore the cables can be left outdoors.
The caps are weathering resistant are supplied with the required ‘‘energized’’ symbol warning mark.

KIT CONTENTS

- 3, or 4 core protective caps, 1 outer sealing cap
- Tinned copper mesh supplied neutral for concentric neutral cable

Meets specifications:
EN 50393

Type	Application range		
	Max size (mm²)	Max. core Ø cable (mm)	Max. outer Ø cable (mm)
1 SES 6	4x16	4-8	8-17
1 SES 16	10x16	5-8	15-27
1 SES 35	25x35	7-15	15-30
1 SES 150	50x150	11-17	26-43
1 SES 300	150x300	15-27	37-69



MEDIUM VOLTAGE TERMINATIONS

Index of products

MONOi I

HEAT-SHRINK MV INDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH Cu WIRE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

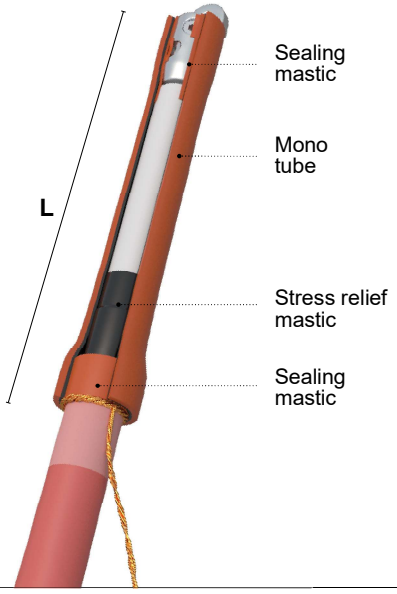
The "**MONOi**" terminations are a single component solution, for single core polymeric cables.

TECHNICAL FEATURES

The "**MONOi**" indoor terminations are designed for max system voltages of 42 kV for compact switchgears as well as for installations where space is limited.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.
Each "**MONOi**" termination kit contains material to allow for 3 phase installation.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
12 kV	3x12MONOi1.95i	25-95	12-20	20-34	300
	3x12MONOi1.240i	70-240	16-30	24-40	300
	3x12MONOi1.300i	95-300	18-32	26-44	300
	3x12MONOi1.400i	185-400	22-36	28-48	350
	3x12MONOi1.630i	400-630	26-42	36-54	350
	3x12MONOi1.1000i	630-1000	34-52	42-58	400
	3x12MONOi1.1200i	1000-1200	44-58	48-64	400
24 kV	3x24MONOi1.95i	25-95	14-26	24-42	350
	3x24MONOi1.240i	70-240	18-34	30-44	350
	3x24MONOi1.300i	95-300	20-38	32-50	350
	3x24MONOi1.400i	185-400	25-40	36-52	400
	3x24MONOi1.630i	400-630	30-46	38-60	400
	3x24MONOi1.1000i	630-1000	36-56	44-64	400
	3x24MONOi1.1200i	1000-1200	46-60	52-66	450
36 kV	3x36MONOi1.95i	25-95	20-32	30-44	450
	3x36MONOi1.240i	70-240	22-38	36-52	450
	3x36MONOi1.300i	95-300	24-42	38-54	450
	3x36MONOi1.400i	185-400	28-46	42-60	450
	3x36MONOi1.630i	400-630	32-52	44-66	500
	3x36MONOi1.1000i	630-1000	42-60	48-70	500
	3x36MONOi1.1200i	1000-1200	48-64	54-72	500
42 kV	3x42MONOi1.95i	25-95	20-34	34-50	500
	3x42MONOi1.240i	70-240	26-42	38-54	500
	3x42MONOi1.300i	95-300	28-46	40-60	500
	3x42MONOi1.400i	185-400	32-48	42-64	550
	3x42MONOi1.630i	400-630	34-56	46-68	550
	3x42MONOi1.1000i	630-1000	44-62	50-74	550
	3x42MONOi1.1200i	1000-1200	50-66	56-76	550



MONOe I

HEAT-SHRINK MV OUTDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH Cu WIRE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

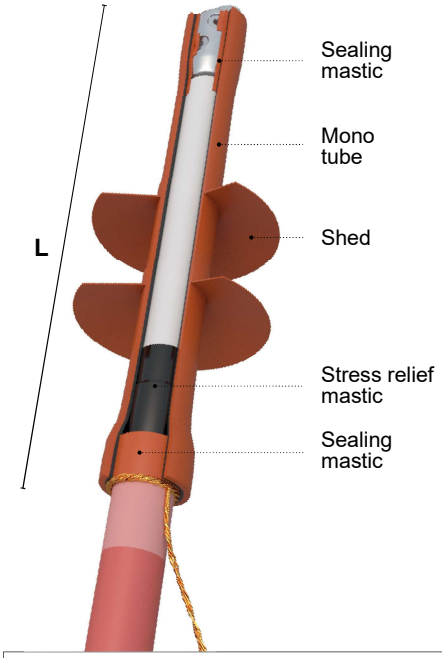
The ‘’**MONOe**’ terminations are a single component solution, for single core polymeric cables.

TECHNICAL FEATURES

The ‘’**MONOe**’’ outdoor terminations are designed for max system voltages of 42 kV.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic.
Anti-tracking rain sheds are supplied to withstand outdoor enviroments.
The design accommodates various conductor lugs.
MC types are supplied with “**GPH**” mechanical conductor lugs.
Each “**MONOe**” termination kit contains material to allow for 3 phase installation.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
12 kV	3x12MONOe1.95i	25-95	12-20	20-34	500
	3x12MONOe1.240i	70-240	16-30	24-40	500
	3x12MONOe1.300i	95-300	18-32	26-44	500
	3x12MONOe1.400i	185-400	22-36	28-48	500
	3x12MONOe1.630i	400-630	26-42	36-54	500
	3x12MONOe1.1000i	630-1000	34-52	42-58	500
	3x12MONOe1.1200i	1000-1200	44-58	48-64	500
24 kV	3x24MONOe1.95i	25-95	14-26	24-42	500
	3x24MONOe1.240i	70-240	18-34	30-44	500
	3x24MONOe1.300i	95-300	20-38	32-50	500
	3x24MONOe1.400i	185-400	25-40	36-52	500
	3x24MONOe1.630i	400-630	30-46	38-60	600
	3x24MONOe1.1000i	630-1000	36-56	44-64	600
	3x24MONOe1.1200i	1000-1200	46-60	52-66	600
36 kV	3x36MONOe1.95i	25-95	20-32	30-44	550
	3x36MONOe1.240i	70-240	22-38	36-52	550
	3x36MONOe1.300i	95-300	24-42	38-54	550
	3x36MONOe1.400i	185-400	28-46	42-60	650
	3x36MONOe1.630i	400-630	32-52	44-66	650
	3x36MONOe1.1000i	630-1000	42-60	48-70	650
	3x36MONOe1.1200i	1000-1200	48-64	54-72	650
42 kV	3x42MONOe1.95i	25-95	20-34	34-50	650
	3x42MONOe1.240i	70-240	26-42	38-54	650
	3x42MONOe1.300i	95-300	28-46	40-60	650
	3x42MONOe1.400i	185-400	32-48	42-64	650
	3x42MONOe1.630i	400-630	34-56	46-68	750
	3x42MONOe1.1000i	630-1000	44-62	50-74	750
	3x42MONOe1.1200i	1000-1200	50-66	56-76	750



MONOi AI

HEAT-SHRINK MV INDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH Cu TAPE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

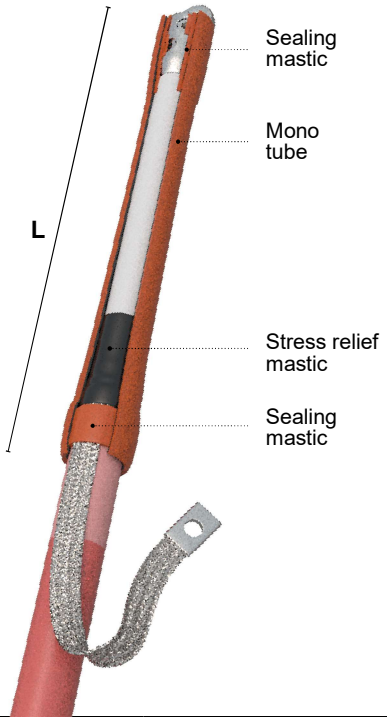
The "**MONOi A**" terminations are a single component solution, for single core polymeric cables

TECHNICAL FEATURES

The "**MONOi A**" indoor terminations are designed for max system voltages of 42 kV, for compact switchgears as well as for installations where space is limited.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic.
A solderless roll force spring and an earthing braid is included in the kit.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.
Each "**MONOi A**" termination kit contains material to allow for 3 phase installation.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
12 kV	3x12MONOi1.95Ai	25-95	12-20	20-34	300
	3x12MONOi1.240Ai	70-240	16-30	24-40	300
	3x12MONOi1.300Ai	95-300	18-32	26-44	300
	3x12MONOi1.400Ai	185-400	22-36	28-48	350
	3x12MONOi1.630Ai	400-630	26-42	36-54	350
	3x12MONOi1.1000Ai	630-1000	34-52	42-58	400
	3x12MONOi1.1200Ai	1000-1200	44-58	48-64	400
24 kV	3x24MONOi1.95Ai	25-95	14-26	24-42	350
	3x24MONOi1.240Ai	70-240	18-34	30-44	350
	3x24MONOi1.300Ai	95-300	20-38	32-50	350
	3x24MONOi1.400Ai	185-400	25-40	36-52	400
	3x24MONOi1.630Ai	400-630	30-46	38-60	400
	3x24MONOi1.1000Ai	630-1000	36-56	44-64	400
	3x24MONOi1.1200Ai	1000-1200	46-60	52-66	450
36 kV	3x36MONOi1.95Ai	25-95	20-32	30-44	450
	3x36MONOi1.240Ai	70-240	22-38	36-52	450
	3x36MONOi1.300Ai	95-300	24-42	38-54	450
	3x36MONOi1.400Ai	185-400	28-46	42-60	450
	3x36MONOi1.630Ai	400-630	32-52	44-66	500
	3x36MONOi1.1000Ai	630-1000	42-60	48-70	500
	3x36MONOi1.1200Ai	1000-1200	48-64	54-72	500
42 kV	3x42MONOi1.95Ai	25-95	20-34	34-50	500
	3x42MONOi1.240Ai	70-240	26-42	38-54	500
	3x42MONOi1.300Ai	95-300	28-46	40-60	500
	3x42MONOi1.400Ai	185-400	32-48	42-64	550
	3x42MONOi1.630Ai	400-630	34-56	46-68	550
	3x42MONOi1.1000Ai	630-1000	44-62	50-74	550
	3x42MONOi1.1200Ai	1000-1200	50-66	56-76	550



MONOe AI

HEAT-SHRINK MV OUTDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH Cu TAPE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

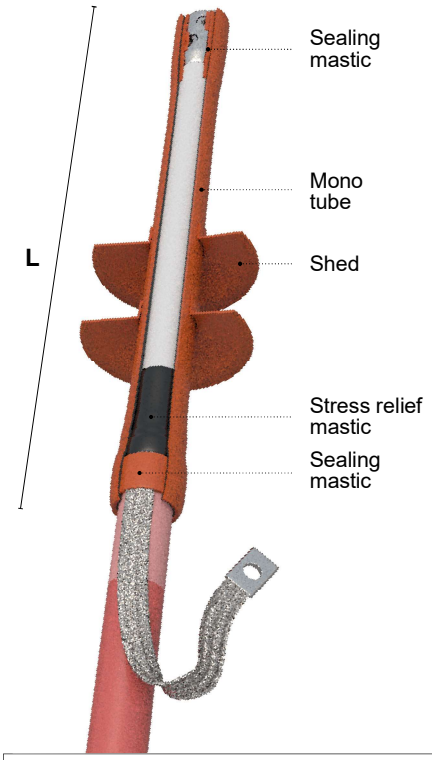
The ‘’**MONOe A**” terminations are a single component solution, for single core polymeric cables.

TECHNICAL FEATURES

The ‘’**MONOe A**” outdoor terminations are designed for max system voltages of 42 kV.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic. Anti-tracking rain sheds are supplied to withstand outdoor environments.
A solderless roll force spring and an earthing braid is included in the kit.
The design accommodates various conductor lugs.
MC types are supplied with “**GPH**” mechanical conductor lugs.
Each “**MONOe A**” termination kit contains material to allow for 3 phase installation

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
12 kV	3x12MONOe1.95Ai	25-95	12-20	20-34	500
	3x12MONOe1.240Ai	70-240	16-30	24-40	500
	3x12MONOe1.300Ai	95-300	18-32	26-44	500
	3x12MONOe1.400Ai	185-400	22-36	28-48	500
	3x12MONOe1.630Ai	400-630	26-42	36-54	500
	3x12MONOe1.1000Ai	630-1000	34-52	42-58	500
	3x12MONOe1.1200Ai	1000-1200	44-58	48-64	500
24 kV	3x24MONOe1.95Ai	25-95	14-26	24-42	500
	3x24MONOe1.240Ai	70-240	18-34	30-44	500
	3x24MONOe1.300Ai	95-300	20-38	32-50	500
	3x24MONOe1.400Ai	185-400	25-40	36-52	500
	3x24MONOe1.630Ai	400-630	30-46	38-60	600
	3x24MONOe1.1000Ai	630-1000	36-56	44-64	600
	3x24MONOe1.1200Ai	1000-1200	46-60	52-66	600
36 kV	3x36MONOe1.95Ai	25-95	20-32	30-44	550
	3x36MONOe1.240Ai	70-240	22-38	36-52	550
	3x36MONOe1.300Ai	95-300	24-42	38-54	550
	3x36MONOe1.400Ai	185-400	28-46	42-60	650
	3x36MONOe1.630Ai	400-630	32-52	44-66	650
	3x36MONOe1.1000Ai	630-1000	42-60	48-70	650
	3x36MONOe1.1200Ai	1000-1200	48-64	54-72	650
42 kV	3x42MONOe1.95Ai	25-95	20-34	34-50	650
	3x42MONOe1.240Ai	70-240	26-42	38-54	650
	3x42MONOe1.300Ai	95-300	28-46	40-60	650
	3x42MONOe1.400Ai	185-400	32-48	42-64	650
	3x42MONOe1.630Ai	400-630	34-56	46-68	750
	3x42MONOe1.1000Ai	630-1000	44-62	50-74	750
	3x42MONOe1.1200Ai	1000-1200	50-66	56-76	750



MONOi FCi

HEAT-SHRINK MV INDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH AI TAPE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

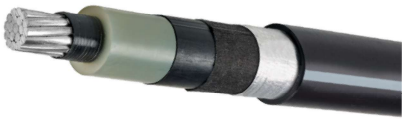
The ‘’**MONOi FCi**’’ terminations are a single component solution, for single core polymeric cables.

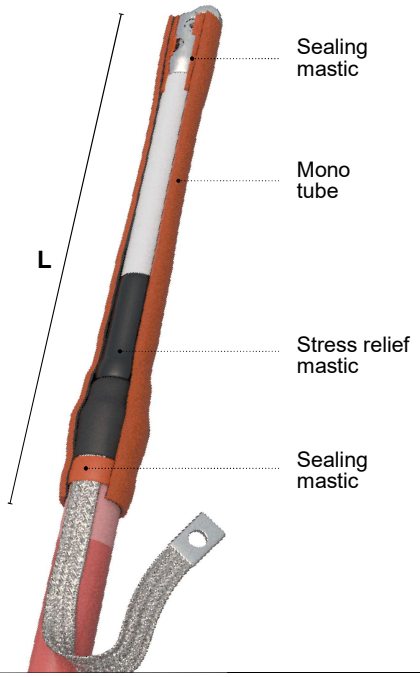
TECHNICAL FEATURES

The ‘’**MONOi FCi**’’ indoor terminations are designed for max system voltages of 42 kV, for compact switchgears as well as for installations where space is limited.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic.
A cheese-rasp + earthing braid is included in the kit.
The design accommodates various conductor lugs.
MC types are supplied with “**GPH**” mechanical conductor lugs.
Each “**MONOi FCi**” termination kit contains material to allow for 3 phase installation.
WSK 2.0 type with “**T**” braid and roll force spring instead of cheese rasp available upon request.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
24 kV	3x24MONOi1.95FCi	25-95	14-26	24-42	350
	3x24MONOi1.240FCi	70-240	18-34	30-44	350
	3x24MONOi1.300FCi	95-300	20-38	32-50	350
	3x24MONOi1.400FCi	185-400	25-40	36-52	400
	3x24MONOi1.630FCi	400-630	30-46	38-60	400
	3x24MONOi1.1000FCi	630-1000	36-56	44-64	400
	3x24MONOi1.1200FCi	1000-1200	46-60	52-66	450
36 kV	3x36MONOi1.95FCi	25-95	20-32	30-44	450
	3x36MONOi1.240FCi	70-240	22-38	36-52	450
	3x36MONOi1.300FCi	95-300	24-42	38-54	450
	3x36MONOi1.400FCi	185-400	28-46	42-60	450
	3x36MONOi1.630FCi	400-630	32-52	44-66	500
	3x36MONOi1.1000FCi	630-1000	42-60	48-70	500
	3x36MONOi1.1200FCi	1000-1200	48-64	54-72	500
42 kV	3x42MONOi1.95FCi	25-95	20-34	34-50	500
	3x42MONOi1.240FCi	70-240	26-42	38-54	500
	3x42MONOi1.300FCi	95-300	28-46	40-60	500
	3x42MONOi1.400FCi	185-400	32-48	42-64	550
	3x42MONOi1.630FCi	400-630	34-56	46-68	550
	3x42MONOi1.1000FCi	630-1000	44-62	50-74	550
	3x42MONOi1.1200FCi	1000-1200	50-66	56-76	550





MONOe FCi

HEAT-SHRINK MV OUTDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH AI TAPE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

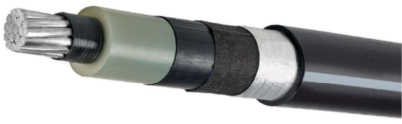
The ''**MONOe FCi**'' terminations are a single component solution, for single core polymeric cables.

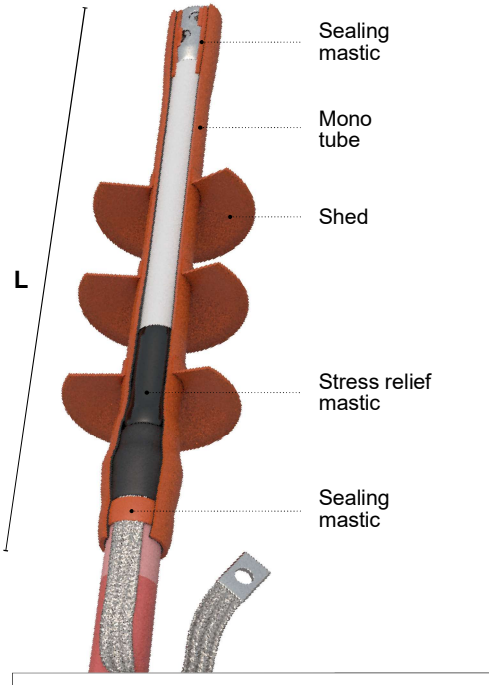
TECHNICAL FEATURES

The ''**MONOe FCi**'' outdoor terminations are designed for max system voltages of 42 kV.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic. Anti-tracking rain sheds are supplied to withstand outdoor environments.
A cheese-rasp + earthing braid is included in the kit.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.
Each "**MONOe FCi**" termination kit contains material to allow for 3 phase installation.
WSK 2.0 type with "**T**" braid and roll force spring instead of cheese rasp available upon request.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
24 kV	3x24MONOe1.95FCi	25-95	14-26	24-42	500
	3x24MONOe1.240FCi	70-240	18-34	30-44	500
	3x24MONOe1.300FCi	95-300	20-38	32-50	500
	3x24MONOe1.400FCi	185-400	25-40	36-52	500
	3x24MONOe1.630FCi	400-630	30-46	38-60	600
	3x24MONOe1.1000FCi	630-1000	36-56	44-64	600
	3x24MONOe1.1200FCi	1000-1200	46-60	52-66	600
36 kV	3x36MONOe1.95FCi	25-95	20-32	30-44	550
	3x36MONOe1.240FCi	70-240	22-38	36-52	550
	3x36MONOe1.300FCi	95-300	24-42	38-54	550
	3x36MONOe1.400FCi	185-400	28-46	42-60	550
	3x36MONOe1.630FCi	400-630	32-52	44-66	650
	3x36MONOe1.1000FCi	630-1000	42-60	48-70	650
	3x36MONOe1.1200FCi	1000-1200	48-64	54-72	650
42 kV	3x42MONOe1.95FCi	25-95	20-34	34-50	650
	3x42MONOe1.240FCi	70-240	26-42	38-54	650
	3x42MONOe1.300FCi	95-300	28-46	40-60	650
	3x42MONOe1.400FCi	185-400	32-48	42-64	650
	3x42MONOe1.630FCi	400-630	34-56	46-68	750
	3x42MONOe1.1000FCi	630-1000	44-62	50-74	750
	3x42MONOe1.1200FCi	1000-1200	50-66	56-76	750





MONOi3 W

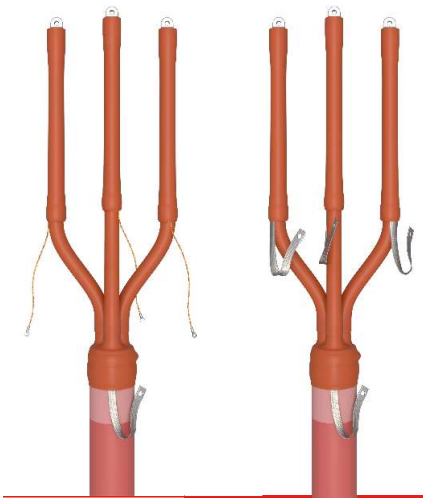
HEAT-SHRINK MV INDOOR TERMINATION FOR THREE CORE POLYMERIC CABLES WITH STA OR SWA ARMOR
Up to 20,8/36 (42) kV

APPLICATION

The "**MONOi3 W**" indoor terminations are designed for armored three core polymeric cables with Cu wire or tape screen.

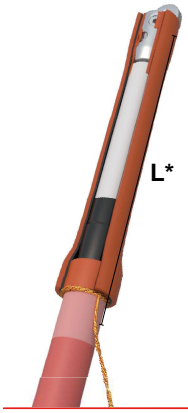
TECHNICAL FEATURES

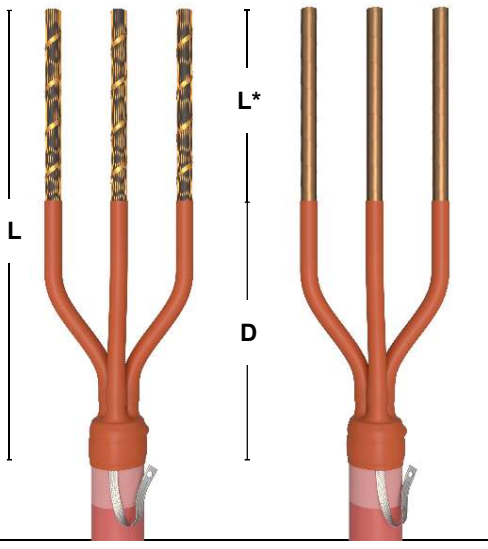
The "**MONOi3 W**" indoor terminations are designed for max system voltages of 42 kV, for compact switchgears as well as for installations where space is limited.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic.
Red anti-tracking break-out and red anti-tracking tubes "**GT2**" with adjustable length "**D**" are included in the kit.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs
Right angle or straight heat-shrinkable boots are available on request.



Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
12 kV	12MONOi3.95W	25-95	12-20	38-56	500
	12MONOi3.240W	70-240	16-30	46-72	500
	12MONOi3.300W	95-300	18-32	48-82	600
	12MONOi3.400W	185-400	22-36	58-84	600
24 kV	24MONOi3.95W	25-95	14-26	40-62	650
	24MONOi3.240W	70-240	18-34	48-76	650
	24MONOi3.300W	95-300	20-38	52-84	650
	24MONOi3.400W	185-400	25-40	62-90	650
36 kV	36MONOi3.95W	25-95	20-32	58-76	950
	36MONOi3.240W	70-240	22-38	64-90	950
	36MONOi3.300W	95-300	24-42	68-94	950
	36MONOi3.400W	185-400	28-46	78-102	950
42 kV	42MONOi3.95W	25-95	20-34	60-90	1000
	42MONOi3.240W	70-240	26-42	66-110	1000
	42MONOi3.300W	95-300	28-46	70-120	1000
	42MONOi3.400W	185-400	32-48	80-130	1000





MONOe3 W

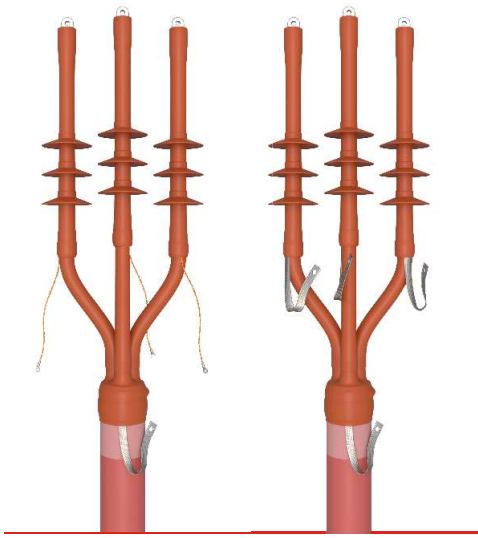
HEAT-SHRINK MV OUTDOOR TERMINATION FOR THREE CORE POLYMERIC CABLES WITH STA OR SWA ARMOR
Up to 20,8/36 (42) kV

APPLICATION

The ''**MONOe3 W**'' outdoor terminations are designed for armored three core polymeric cables with Cu wire or tape screen.

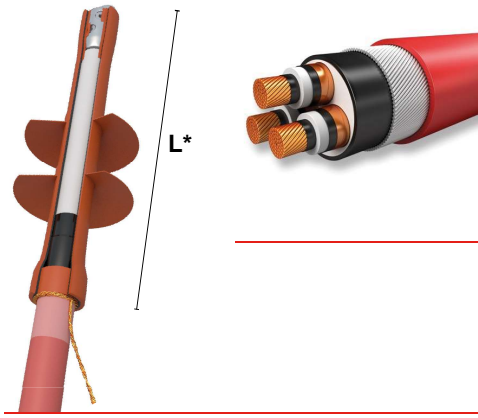
TECHNICAL FEATURES

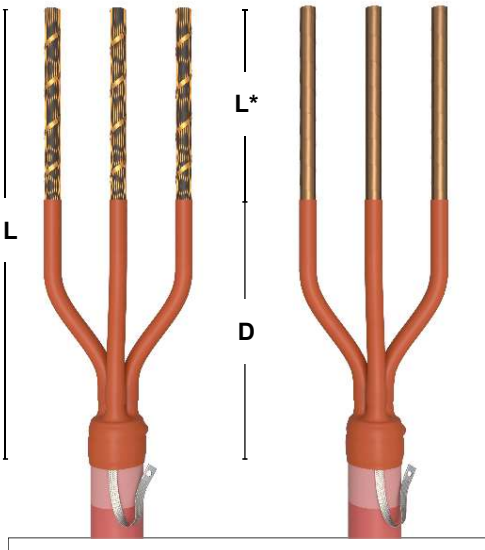
The ''**MONOe3 W**'' outdoor terminations are designed for max system voltages of 42 kV.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic.
Red anti-tracking break-out and red anti-tracking tubes "**GT2**" with adjustable length "**D**" are included in the kit.
Anti-tracking rain sheds are supplied to withstand outdoor enviroments.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs



Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
12 kV	12MONOe3.95W	25-95	12-20	38-56	690
	12MONOe3.240W	70-240	16-30	46-72	690
	12MONOe3.300W	95-300	18-32	48-82	690
	12MONOe3.400W	185-400	22-36	58-84	690
24 kV	24MONOe3.95W	25-95	14-26	40-62	800
	24MONOe3.240W	70-240	18-34	48-76	800
	24MONOe3.300W	95-300	20-38	52-84	800
	24MONOe3.400W	185-400	25-40	62-90	800
36 kV	36MONOe3.95W	25-95	20-32	58-76	1000
	36MONOe3.240W	70-240	22-38	64-90	1000
	36MONOe3.300W	95-300	24-42	68-94	1000
	36MONOe3.400W	185-400	28-46	78-102	1000
42 kV	42MONOe3.95W	25-95	20-34	60-90	1100
	42MONOe3.240W	70-240	26-42	66-110	1100
	42MONOe3.300W	95-300	28-46	70-120	1100
	42MONOe3.400W	185-400	32-48	80-130	1100





MONOi3 CW

HEAT-SHRINK MV INDOOR TERMINATION FOR NON ARMORED THREE CORE POLYMERIC CABLES WITH COPPER WIRE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

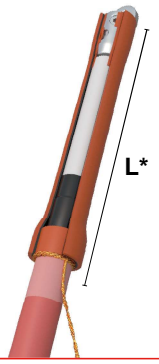
The "**MONOi3 CW**" indoor terminations are designed for not armored three core polymeric cables with common Cu wire screen.

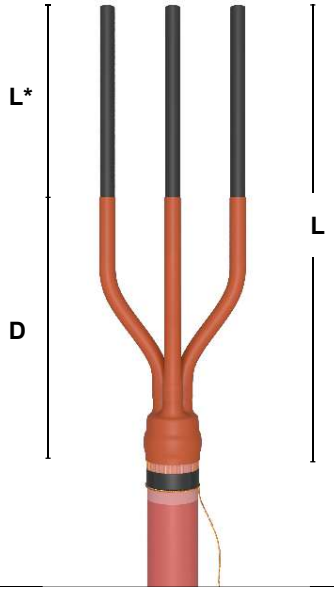
TECHNICAL FEATURES

The "**MONOi3 CW**" indoor terminations are designed for max system voltages of 42 kV, for compact switchgears as well as for installations where space is limited.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic.
Red anti-tracking break-out and red anti-tracking tubes "**GT2**" with adjustable length "**D**" are included in the kit.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.
Right angle or straight heat-shrinkable boots are available on request.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
12 kV	12MONOi3.95CW	25-95	12-20	38-56	500
	12MONOi3.240CW	70-240	16-30	46-72	500
	12MONOi3.300CW	95-300	18-32	48-82	600
	12MONOi3.400CW	185-400	22-36	58-84	600
24 kV	24MONOi3.95CW	25-95	14-26	40-62	650
	24MONOi3.240CW	70-240	18-34	48-76	650
	24MONOi3.300CW	95-300	20-38	52-84	650
	24MONOi3.400CW	185-400	25-40	62-90	650
36 kV	36MONOi3.95CW	25-95	20-32	58-76	950
	36MONOi3.240CW	70-240	22-38	64-90	950
	36MONOi3.300CW	95-300	24-42	68-94	950
	36MONOi3.400CW	185-400	28-46	78-102	950
42 kV	42MONOi3.95CW	25-95	20-34	60-90	1000
	42MONOi3.240CW	70-240	26-42	66-110	1000
	42MONOi3.300CW	95-300	28-46	70-120	1000
	42MONOi3.400CW	185-400	32-48	80-130	1000





MONOe3 CW

HEAT-SHRINK MV OUTDOOR TERMINATION FOR NON ARMORED THREE CORE POLYMERIC CABLES WITH COPPER WIRE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

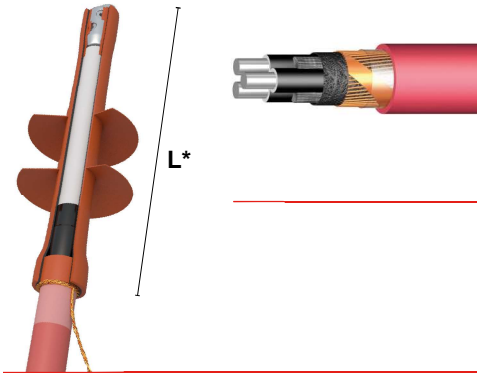
The ''**MONOe3 CW**" outdoor terminations are designed for not armored three core polymeric cables with common Cu wire screen.

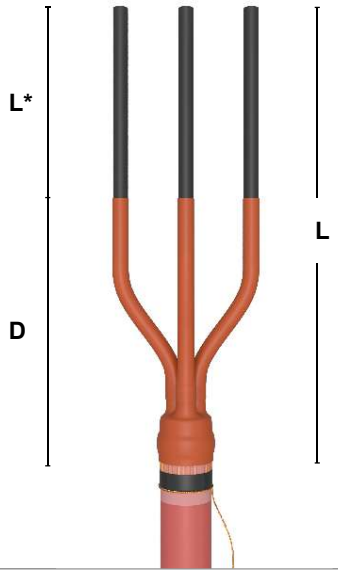
TECHNICAL FEATURES

The ''**MONOe3 CW**" outdoor terminations are designed for max system voltages of 42 kV.
Easy, quick to install, reducing installation time and errors.
The kit consists of a stress control mastic pad, a co extruded dual wall tube and red anti-tracking sealing mastic.
Red anti-tracking break-out and red anti-tracking tubes "**GT2**" with adjustable length "**D**" are included in the kit.
Anti-tracking rain sheds are supplied to withstand outdoor enviroments.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L min (mm)
12 kV	12MONOe3.95CW	25-95	12-20	38-56	690
	12MONOe3.240CW	70-240	16-30	46-72	690
	12MONOe3.300CW	95-300	18-32	48-82	690
	12MONOe3.400CW	185-400	22-36	58-84	690
24 kV	24MONOe3.95CW	25-95	14-26	40-62	800
	24MONOe3.240CW	70-240	18-34	48-76	800
	24MONOe3.300CW	95-300	20-38	52-84	800
	24MONOe3.400CW	185-400	25-40	62-90	800
36 kV	36MONOe3.95CW	25-95	20-32	58-76	1000
	36MONOe3.240CW	70-240	22-38	64-90	1000
	36MONOe3.300CW	95-300	24-42	68-94	1000
	36MONOe3.400CW	185-400	28-46	78-102	1000
42 kV	42MONOe3.95CW	25-95	20-34	60-90	1100
	42MONOe3.240CW	70-240	26-42	66-110	1100
	42MONOe3.300CW	95-300	28-46	70-120	1100
	42MONOe3.400CW	185-400	32-48	80-130	1100





TK NOT ARM

HEAT-SHRINK TRIFURCATIONS KITS FOR MV APPLICATIONS
CABLES WITHOUT ARMOR
Up to 26/45 (52) kV

APPLICATION

Designed to accommodate not armored, three core cables to 3 single core terminations.

TECHNICAL FEATURES

The **TK A/1** kit consists of an anti-tracking breakout for the cable crotch area,
1 pc of "**GT2**" anti-tracking tube to cover the cores.
The red anti-tracking tubes "**GT2**" in the kit can be selected from 3 different spool lengths to be adjusted, by cutting in 3 parts, according to the required tail length "**D**" (800,1200,1600 mm).

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	Insul. tube (m)
12 kV	TK1A-2M/1	25-95	2
	TK2A-2M/1	70-240	2
	TK3A-2M/1	95-300	2
	TK4A-2M/1	185-400	2
17/24 kV	TK1A-3M/1	25-95	3
	TK2A-3M/1	70-240	3
	TK3A-3M/1	95-300	3
	TK4A-3M/1	185-400	3
36/42/52 kV	TK1A-5M/1	25-95	5
	TK2A-5M/1	70-240	5
	TK3A-5M/1	95-300	5
	TK4A-5M/1	185-400	5

TK ARM

HEAT-SHRINK TRIFURCATIONS KITS FOR MV APPLICATIONS
CABLES WITH ARMOR
Up to 26/45 (52) kV

APPLICATION

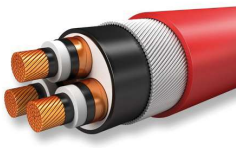
Designed to accommodate armored, three core cables to 3 single core terminations.

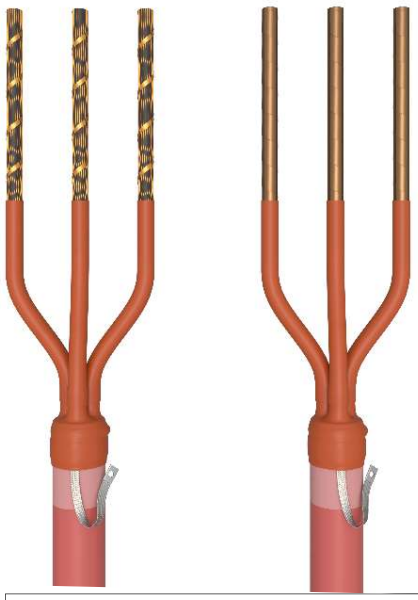
TECHNICAL FEATURES

The **TK A** kit consists of an anti-tracking breakout for the cable crotch area, 1 pc of "**GT2**" anti-tracking tube to cover the cores, plus an earthing braid kit (consisting of a worm clip, tinned copper braid with water blocking and a connection point). A sealing mastic is provided to ensure water/moisture penetration.
The red anti-tracking tubes "**GT2**" in the kit can be selected from 3 different spool lengths to be adjusted, by cutting in 3 parts, according to the required tail length (800,1200,1600 mm).

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	Insul. tube (m)
12 kV	TK1A-2M	25-95	2
	TK2A-2M	70-240	2
	TK3A-2M	95-300	2
	TK4A-2M	185-400	2
17/24 kV	TK1A-3M	25-95	3
	TK2A-3M	70-240	3
	TK3A-3M	95-300	3
	TK4A-3M	185-400	3
36/42/52 kV	TK1A-5M	25-95	5
	TK2A-5M	70-240	5
	TK3A-5M	95-300	5
	TK4A-5M	185-400	5





TTGI1 Z

HEAT-SHRINK MV INDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH Cu WIRE/TAPE SCREEN, Al WIRE/TAPE ARMOR
Up to 20,8/36 (42) kV

APPLICATION

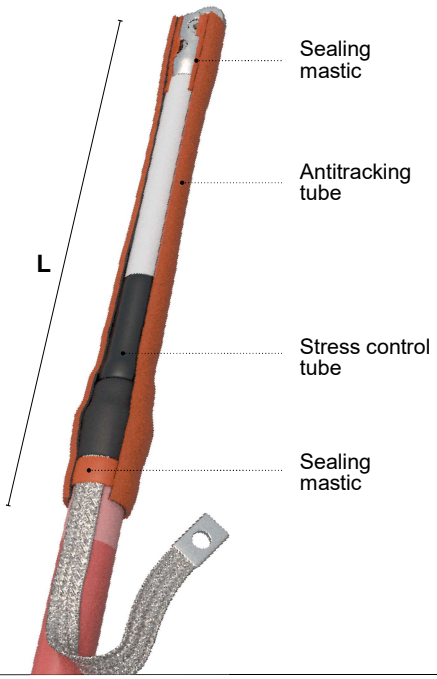
"**TTGI1 Zi**" heat-shrink medium voltage indoor terminations for single core polymeric insulated cables with either Cu wire screen or Cu tape screen with aluminium wire/ tape armor.

TECHNICAL FEATURES

The "**TTGI Zi**" indoor terminations utilize stress control tubing with stress grading mastic to control the electric field. The cut of the semi-conductive screen on the termination is covered by stress control mastic strip, acting as both stress control and void filler. The stress control tubing completes the control of the electric field.
The lug barrel is covered with anti-tracking mastic to create complete environmental seal.
Anti-tracking mastic is also used to seal the earth/armor connection.
"**GT2**" anti-tracking tube completes the termination and covers armor connection.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L (mm)
12/17 kV	17TTGI1.50Zi	25-50	12-18	18-28	540
	17TTGI1.150Zi	70-150	16-28	26-40	540
	17TTGI1.400Zi	185-400	18-32	34-46	540
	17TTGI1.630Zi	400-630	20-36	34-56	540
	17TTGI1.1000Zi	630-1000	36-50	50-68	540
24 kV	24TTGI1.95Zi	25-95	14-26	20-38	580
	24TTGI1.185Zi	70-240	18-34	28-44	580
	24TTGI1.400Zi	95-300	28-40	34-52	580
	24TTGI1.630Zi	400-630	25-46	42-62	580
	24TTGI1.1000Zi	500-1000	30-54	44-72	580
36 kV	36TTGI1.120Zi	35-120	20-32	30-44	680
	36TTGI1.300Zi	95-300	22-40	36-54	680
	36TTGI1.630Zi	300-630	40-52	42-66	680
	36TTGI1.1000Zi	500-1000	44-56	52-78	680
42 kV	42TTGI1.120Zi	25-120	22-36	32-46	820
	42TTGI1.300Zi	95-300	28-38	38-56	820
	42TTGI1.630Zi	400-630	42-56	42-70	820
	42TTGI1.1000Zi	630-1000	44-62	54-82	820



TTGE1 Z

HEAT-SHRINK MV OUTDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH Cu WIRE/TAPE SCREEN, Al WIRE/TAPE ARMOR
Up to 20,8/36 (42) kV

APPLICATION

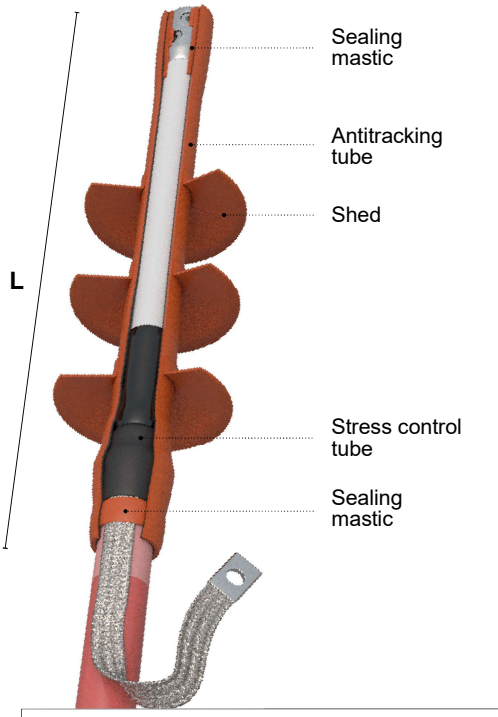
"**TTGE1 Zi**" heat-shrink medium voltage outdoor terminations for single core polymeric insulated cables with either Cu wire screen or Cu tape screen with aluminium wire/ tape armor.

TECHNICAL FEATURES

The "**TTGE Zi**" indoor terminations utilize stress control tubing with stress grading mastic to control the electric field. The cut of the semi-conductive screen on the termination is covered by stress control mastic strip, acting as both stress control and void filler. The stress control tubing completes the control of the electric field.
The lug barrel is covered with anti-tracking mastic to create complete environmental seal.
Anti-tracking mastic is also used to seal the earth/armor connection.
"**GT2**" anti-tracking tube completes the termination and covers armor connection.
Rain sheds are included in the kit.
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L (mm)
12/17 kV	17TTGE1.50Zi	25-50	12-18	18-28	540
	17TTGE1.150Zi	70-150	16-28	26-40	540
	17TTGE1.400Zi	185-400	18-32	34-46	540
	17TTGE1.630Zi	400-630	20-36	34-56	540
	17TTGE1.1000Zi	630-1000	36-50	50-68	540
24 kV	24TTGE1.95Zi	25-95	14-26	20-38	580
	24TTGE1.185Zi	70-240	18-34	28-44	580
	24TTGE1.400Zi	95-300	28-40	34-52	580
	24TTGE1.630Zi	400-630	25-46	42-62	580
	24TTGE1.1000Zi	500-1000	30-54	44-72	580
36 kV	36TTGE1.120Zi	35-120	20-32	30-44	680
	36TTGE1.300Zi	95-300	22-40	36-54	680
	36TTGE1.630Zi	300-630	40-52	42-66	680
	36TTGE1.1000Zi	500-1000	44-56	52-78	680
42 kV	42TTGE1.120Zi	25-120	22-36	32-46	820
	42TTGE1.300Zi	95-300	28-38	38-56	820
	42TTGE1.630Zi	400-630	42-56	42-70	820
	42TTGE1.1000Zi	630-1000	44-62	54-82	820



52TTGI1

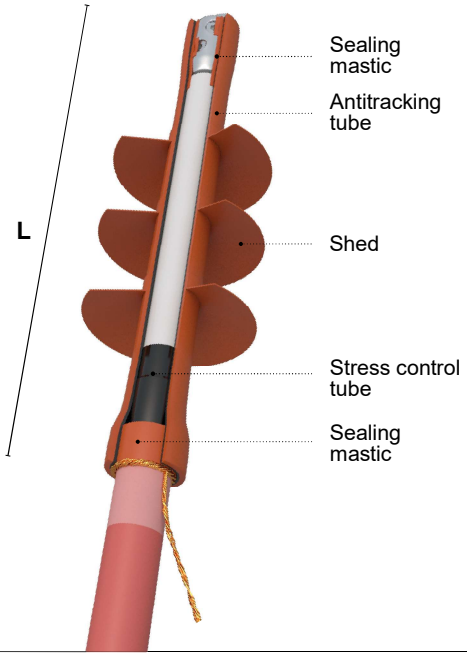
HEAT-SHRINK MV INDOOR TEMINATIONS FOR SINGLE CORE POLYMERIC CABLES WITH Cu WIRE SCREEN
Up to 26/42 (52) kV

APPLICATION
The "**52TTGI1**" terminations are designed for single core polymeric cables.

TECHNICAL FEATURES
A stress control patch is applied at the screen cut of the termination and helps to control the field together with stress control tubing.
Semiconductive tubing creates a bridge for leakage currents placed onto and covering the screen wires or earth braid.
Another layer of stress control mastic covers the top end of the semiconductive tubing.
Red anti-tracking mastic is wrapped onto the top end of the tubing.
The lug and cable outer sheath is sealed with anti-tracking mastic.
Heavy wall anti-tracking tube and anti-tracking rain sheds complete the termination.
A solderless roll force spring and an earthing braid are included in the kit (type Ai).
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.
For cable with Al foil screen please ask to our sales representative.

Meet the requirements.
IEC 60840

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L (mm)
52 kV	52TTGI1.95i	25-95	26-32	30-44	900
	52TTGI1.240i	70-240	28-40	32-46	900
	52TTGI1.400i	185-400	32-46	36-50	900
	52TTGI1.630i	400-630	38-52	44-56	900
	52TTGI1.1200i	630-1200	46-64	52-70	900



52TTGE1

HEAT-SHRINK MV OUTDOOR TERMINATION FOR SINGLE CORE POLYMERIC CABLES WITH Cu WIRE SCREEN
Up to 26/42 (52) kV

APPLICATION

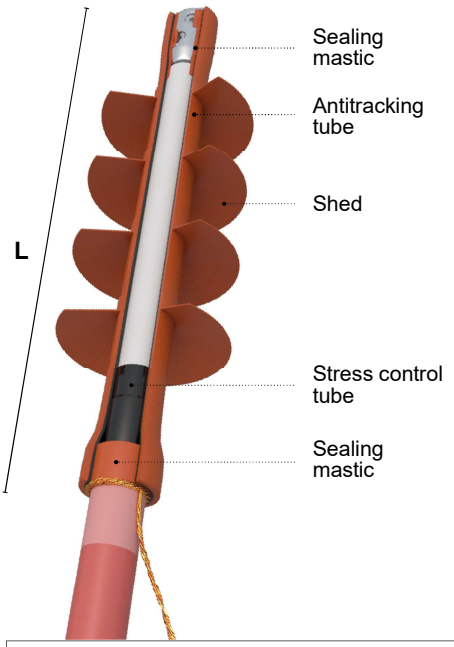
The "**52TTGE1**" terminations are designed for single core polymeric cables.

TECHNICAL FEATURES

A stress control patch is applied at the screen cut of the termination and helps to control the field together with stress control tubing.
Semiconductive tubing creates a bridge for leakage currents placed onto and covering the screen wires or earth braid.
Another layer of stress control mastic covers the top end of the semiconductive tubing.
Red anti-tracking mastic is wrapped onto the top end of the tubing.
The lug and cable outer sheath is sealed with anti-tracking mastic.
Heavy wall anti-tracking tube and anti-tracking rain sheds complete the termination.
A solderless roll force spring and an earthing braid are included in the kit (type Ai).
The design accommodates various conductor lugs.
MC types are supplied with "**GPH**" mechanical conductor lugs.
For cable with Al foil screen please ask to our sales representative.

Meet the requirements.
IEC 60840

Um (Kv)	Type	Section (mm²)	DOI insulation (mm)	DOE outer sheath (mm)	L (mm)
52 kV	52TTGE1.95i	25-95	26-32	30-44	900
	52TTGE1.240i	70-240	28-40	32-46	900
	52TTGE1.400i	185-400	32-46	36-50	900
	52TTGE1.630i	400-630	38-52	44-56	900
	52TTGE1.1200i	630-1200	46-64	52-70	900



Nexans
ELECTRIFY THE FUTURE

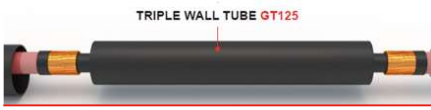
HEATSHRINKMEDIUMVOLTAGE STRAIGHTTRANSITIONJOINTSFORSINGLETHREE CORECABLESUPTOUMAXKV

DESIGN: ONE SINGLE TUBE "GT125"

The new range of Nexans **JTS** heat shrink medium-voltage straight joints is compatible with single or three-core polymeric cables with copper wire screen, copper tape screen or with Aluminum tape screen.

For **12 to 24kV** applications, the Nexans **JTS 17/24** heat shrink joint is the new high performance, compact and easy-to-install joint: a single body with all electrical functions integrated!

The **JTS 17/24** is using the Nexans **TRIPLE GT125** , an integrated stress control field, insulating and conductive tube, which can support voltage classes up to **24 kV** up to 400 mm .

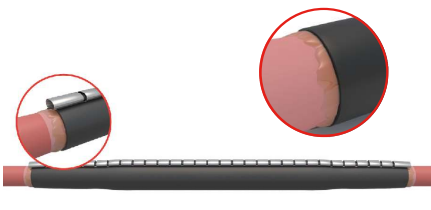


A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

The electrical continuity of the screen is ensured by a tinned copper stocking with roll constant force springs in case of copper wire/tape screen **(CS type)**.

A standard tinned copper tape plus an earthing ferrule in case of only copper wire screen **(W type)**.

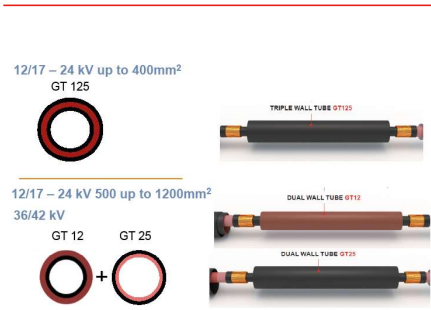
Finally, the outer sheath is restored with heavy wall adhesive lined tubing or, in case of limited space, with a wrap-around sleeve with or without Al foil.



MC types are supplied with **GPH** mechanical connectors.

For **12 to 24 kV** applications from 400mm up to 1200 mm and **36 to 42 kV** applications, the Nexans **JTS 36/42** heat shrink joint is also a high performance, compact and easy-to-install joint:
Double bodies with all the electrical functions integrated!

The **JTS 36/42** is using an integrated co extruded "stress control field + insulating" **(DUAL GT12)** tube nested in a co extruded "insulating + conductive" tube **(DUAL GT25)**, which can support voltage classes up to **42 kV**. All the rest is the same as the **17/24JTS**.

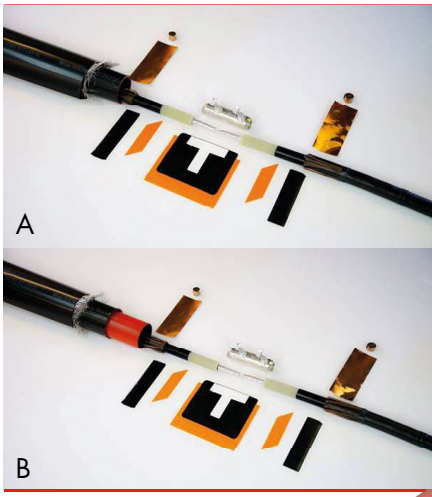


The new Nexans JTS/JTM Heat Shrink joint - Features & Benefits

- Tube nesting / positioning and parking issues eliminated
=> typical jointing errors eliminated

- **Only one tube** to shrink for the **3 functions (A)**
(stress control–insulation-conductive) for voltage classes
12/17 & 24 kV up to 400 mm

- **Only two tubes** to shrink for the **3 functions (B)**
(stress control-insulation + insulation-conductive) for voltage classes 36 & 42 kV and 12/17&24 kV from 400 up to 1200 mm



- Reduced installation time / training time, with standard cable preparation work

- Simplified stress control with 2-layer plate
=> no need to conform the mastic before shrinking the tube

- Design adapted for all type and brands of mechanical / crimping connectors

- Standard screen continuity with a copper stocking
=> simplify and reduce the installation time

- **JTM** transition joints type are designed to connect
single core/three core paper insulated cable (PILC, belted, screened, HSL, armored or not) to single/three core polymeric insulated cables.
=> same tubing design is used (triple wall up to 24 kV, two tubes for 36/42 kV voltage classes.

INSTALLATION
Each kit contains easy guided mounting instructions with installation steps made by 3D pictures.

PRODUCT RANGE
The product line is designed for polymeric cables from 16 to 1200 mm and up to Umax 42 kV with different screen type (CWS-CTS, Al Foil).

JTS are available for single core/three core armored/unarmored cables.

Transition joints are designed to connect different polymeric cables to most common paper insulated cables (PILC-HSL) from 12 up to 42 kV

The **JTS** are fully type tested in accordance with IEC 60502-4
and the Cenelec Hd 629.1 standards.

LOW VOLTAGE JOINTS

Index of products

1GLT GR

HEAT-SHRINK LOW VOLTAGE STRAIGHT THROUGH JOINTS
Up to 0,6/1 (1,2) kV

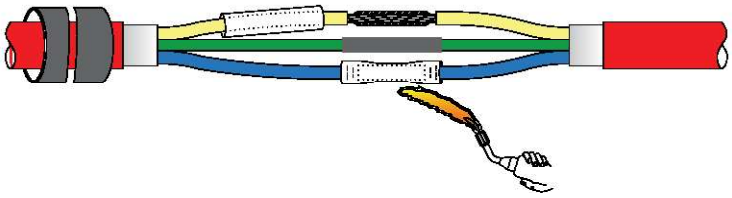
APPLICATION

The 1GLT 4 GR 1 - 7 low voltage heat-shrink straight joint kits are designed for plastic insulated cables in full accordance with DIN47640.
The kits are designed to accommodate the DIN specific mechanical shear bolt connectors (GPH D-Series), and are fully type tested acc. to EN50393.
GT 4 heavy wall tubing with adhesive is used to create the joint.
The tube is used to insulate the core/connector as well as rebuilding the outer jacket.

Meets specifications:
EN50393
Meets specifications:
DIN47640

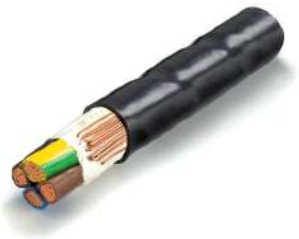
KIT CONTENTS

- 4 x GT 4 heavy wall tubing with adhesive for core insulation
- 4 x GPH D type mechanical shear bolt connectors (only “C” series)
- 1 x GT 4 heavy wall tubing with adhesive to rebuild the outer sheath



Type	Application range (mm²)	L (mm)
1GLT4-GR1	4÷16	420
1GLT4-GR2	16÷35	430
1GLT4-GR3	25÷50	500
1GLT4-GR4	35÷95	710
1GLT4-GR5	35÷150	890
1GLT4-GR6	95÷150	890
1GLT4-GR7	95÷240	1100

Type	Application range (mm²)	L (mm)
1GLT4-GR1 C	4÷16 Cu/Al	420
1GLT4-GR2 C	16÷35 Cu/Al	430
1GLT4-GR3 C	25÷50 Cu/Al	500
1GLT4-GR4 C	35÷95 Cu/Al	710
1GLT4-GR5 C	35÷150 Cu/Al	890
1GLT4-GR6 C	95÷150 Cu/Al	890
1GLT4-GR7 C	95÷240 Cu/Al	1100



With code C the kits are supplied with mechanical connectors

1GLT KI

HEAT-SHRINK LOW VOLTAGE STRAIGHT THROUGH ARMORED JOINTS
Up to 0,6/1 (1,2) kV

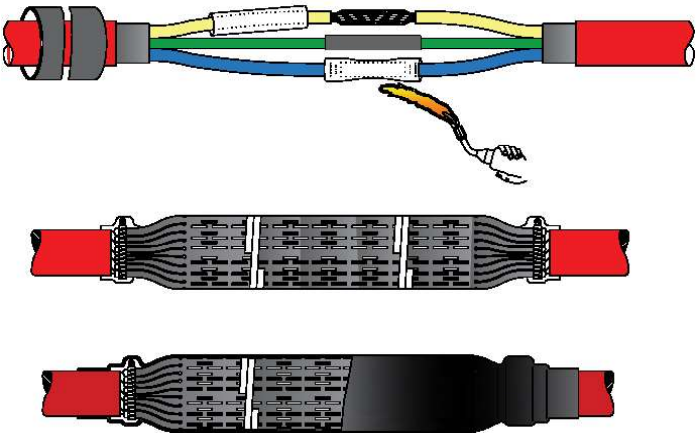
APPLICATION

The 1GLT KI heat-shrink low voltage straight through joints, are designed to connect armored cables with STA or SWA having PVC, PE, XLPE or EPR insulation.
The joints are designed to accommodate both crimp or mechanical ferrules.

Meets specifications:
EN50393

KIT CONTENTS

- Inner core/connector insulating tubes with adhesive
- Canister & earthing kit (depending on cable)
- Outer protective tube(s) with adhesive



Type	Application range (mm²)	L (mm)
1GLT 3 (4).16 KI	3 (4)x10-16 Cu/Al	750
1GLT 3 (4).35 KI	3 (4)x25-35 Cu/Al	750
1GLT 3 (4).95 KI	3 (4)x50-95 Cu/Al	750
1GLT 3 (4).150 KI	3 (4)x95-150 Cu/Al	750
1GLT 3 (4).240 KI	3 (4)x185-240 Cu/Al	750
1GLT 3 (4).400 KI	3 (4)x300-400 Cu/Al	1000

MEDIUM VOLTAGE JOINTS

Index of products

17/24JTS1 W (CS)

HEAT-SHRINK MV STRAIGHT JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN
Up to 12,7/22 (24) kV

APPLICATION

JTS1 heat-shrink straight joints are designed for unarmored, plastic insulated cables with Cu wire or Cu tape screen, to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

JTS is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400 mm² .

From 400 up to 1200 mm² a double dual layer tube is used.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

The electrical continuity of the screen (both Cu tape or Cu wire) is ensured by a tinned copper stocking with roll force springs **(CS type)** or for Cu wire with a standard tinned copper tape plus an earthing ferrule **(W type)**.

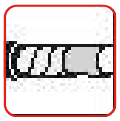
MC types are supplied with **GPH®** mechanical connectors.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

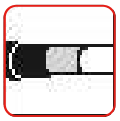
Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
12/17,5	17JTS1.95W-(CS)	25-95	600	12-24	20-38
	17JTS1.240W-(CS)	70-240	600	16-32	24-44
	17JTS1.300W-(CS)	95-300	750	18-34	26-48
	17JTS1.400W-(CS)	185-400	750	22-38	30-52
	17JTS1.630W-(CS)	400-630	750 (1000-CS)	26-44	36-58
	17JTS1.1000W-(CS)	630-1000	1000	34-52	42-68
	17JTS1.1200W-(CS)	800-1200	1000	38-58	48-72
24	24JTS1.95W-(CS)	25-95	600	18-28	24-40
	24JTS1.240W-(CS)	70-240	600	20-36	26-48
	24JTS1.300W-(CS)	95-300	750	22-38	28-52
	24JTS1.400W-(CS)	185-400	750	24-40	32-54
	24JTS1.630W-(CS)	400-630	750 (1000-CS)	30-46	38-60
	24JTS1.1000W-(CS)	630-1000	1000	36-56	44-70
	24JTS1.1200W-(CS)	800-1200	1000	40-60	52-74

- **17JTS** type tested with BIL at 95 kV, PD at 2Uo (≤ 10 pC)
- **24JTS** type tested with BIL at 150 kV, PD at 2Uo (≤ 10 pC)

For cables with additional vapor screen please contact our sales office.



CS type is suitable both cables with copper wire / copper tape screen.



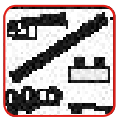
W type is supplied with standard metallic tape design and earth ferrule for copper wire screen cable.

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.



Various earth for connection kits are available for screen connection. For exact details contact our sales office.

36/42JTS1 W (CS)

HEAT-SHRINK MV STRAIGHT JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN

APPLICATION

36-42JTS1 heat-shrink straight joints are designed for unarmored, plastic insulated cables with Cu wire or Cu tape screen, to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

36-42JTS is the NEW high performance, compact and easy to install joint.
Double bodies with all the electrical functions integrated!

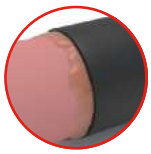
The Nexans **36/42JTS** is an integrated coextruded “stress control field + insulating” tube nested in a coextruded “insulating + conductive” tube which can withstand high voltage applications up to 42kV.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure
a Faraday cage and smooth the effect of the electrical field in the connector area.

The electrical continuity of the screen (both Cu tape or Cu wire) is ensured by a tinned copper stocking with roll force springs **(CS type)** or for Cu wire with a standard tinned copper tape plus an earthing ferrule **(W type)**.

MC types are supplied with **GPH®** mechanical connectors.

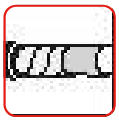
Type tested acc.
Cenelec HD 629.1
IEC 60502-4



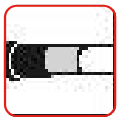
Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
36	36JTS1.95W-(CS)	25-95	750	20-32	30-44
	36JTS1.240W-(CS)	70-240	750	22-38	34-52
	36JTS1.300W-(CS)	95-300	750	24-42	34-54
	36JTS1.400W-(CS)	185-400	1000	28-46	38-60
	36JTS1.630W-(CS)	400-630	1000	32-52	44-66
	36JTS1.1000W-(CS)	630-1000	1000	42-60	48-76
	36JTS1.1200W-(CS)	800-1200	1000	48-64	54-78
42	42JTS1.95W-(CS)	25-95	750	20-34	34-50
	42JTS1.240W-(CS)	70-240	750	26-42	38-54
	42JTS1.300W-(CS)	95-300	750	28-46	40-60
	42JTS1.400W-(CS)	185-400	1000	32-48	42-64
	42JTS1.630W-(CS)	400-630	1000	34-56	46-68
	42JTS1.1000W-(CS)	630-1000	1000	44-62	50-78
	42JTS1.1200W-(CS)	800-1200	1000	50-66	56-80

- **36JTS** type tested with BIL at 200 kV, PD at 2Uo (≤ 10 pC)

For cables with additional vapor screen please contact our sales office.



CS type is suitable both cables with copper wire / copper tape screen.



W type is supplied with standard metallic tape design and earth ferrule for copper wire screen cable.

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

24JTS1 FC

HEAT-SHRINK MV STRAIGHT JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH AL TAPE SCREEN

APPLICATION

24JTS1 FC heat-shrink straight joints are designed for unarmored, plastic insulated cables
with Al tape screen, to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

24JTS1 FC is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400mm .

From 400 up to 1200 mm a double dual layer tube is used.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

The electrical continuity of the screen is ensured by a tinned copper stocking with roll force springs, the contact from the cable Al foil and the stocking is made with "cheese grader
+ soldered earthing braids".

WSK2.0 types are available for the same screen cable without cheese grader

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
24	24JTS1.95FC	25-95	600	18-28	24-40
	24JTS1.240FC	70-240	600	20-36	26-48
	24JTS1.300FC	95-300	750	22-38	28-52
	24JTS1.400FC	185-400	750	24-40	32-54
	24JTS1.630FC	400-630	1000	30-46	38-60
	24JTS1.1000FC	630-1000	1000	36-56	44-70
	24JTS1.1200FC	800-1200	1000	40-60	52-74

- **24JTS** type tested with BIL at 150 kV, PD at 2Uo (≤ 10 pC)

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

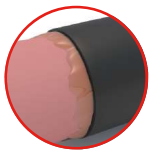
Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

36/42JTS1 FC

HEAT-SHRINK MV STRAIGHT JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH AL TAPE SCREEN

Type tested acc.
Cenelec HD 629.1
IEC 60502-4



APPLICATION

36/42JTS1 FC heat-shrink straight joints are designed for unarmored, plastic insulated cables with Al tape screen, to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

36/42 JTS1 FC is the **NEW** high performance, compact and easy to install joint.

The Nexans **36/42JTS FC** is an integrated coextruded “stress control field + insulating” tube nested in a coextruded “insulating + conductive” tube which can withstand high voltage applications up to 42kV.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

The electrical continuity of the screen is ensured by a tinned copper stocking with roll force springs, the contact from the cable Al foil and the stocking is made with “cheese grader + soldered earthing braids”.

WSK2.0 types are available for the same screen cable without cheese grader earthing system.(Tinned copper stocking and roll force springs)

Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
36	36JTS1.95FC	25-95	750	20-32	30-44
	36JTS1.240FC	70-240	750	22-38	34-52
	36JTS1.300FC	95-300	750	24-42	34-54
	36JTS1.400FC	185-400	1000	28-46	38-60
	36JTS1.630FC	400-630	1000	32-52	44-66
	36JTS1.1000FC	630-1000	1000	42-60	48-76
	36JTS1.1200FC	800-1200	1000	48-64	54-78
42	42JTS1.95FC	25-95	750	20-34	34-50
	42JTS1.240FC	70-240	750	26-42	38-54
	42JTS1.300FC	95-300	750	28-46	40-60
	42JTS1.400FC	185-400	1000	32-48	42-64
	42JTS1.630FC	400-630	1000	34-56	46-68
	42JTS1.1000FC	630-1000	1000	44-62	50-78
	42JTS1.1200FC	800-1200	1000	50-66	56-80

- **36JTS** type tested with BIL at 200 kV, PD at 2Uo (≤ 10 pC)

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

17/24JTS1 KZ

HEAT-SHRINK MV STRAIGHT JOINTS FOR ARMORED SINGLE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN

APPLICATION

17/24JTS1 KZ heat-shrink straight joints are designed for armored, plastic insulated cables with Cu wire or Cu tape screen Armored (AWA/ATA), to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

17/24JTS KZ is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

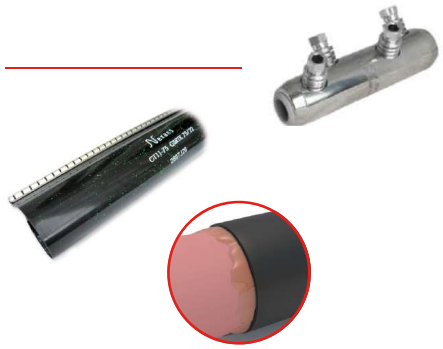
The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400 mm² .

From 400 up to 1200 mm² a double dual layer tube is used.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure
a Faraday cage and smooth the effect of the electrical field in the connector area.

The electrical continuity of the screen (both Cu tape or Cu wire) is ensured with a standard tinned copper tape plus an earthing ferrule or braid.
Armor mechanical protection and electrical continuity is achieved by using a wrap-around aluminum canister.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4



Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
12/17,5	17JTS1.95KZ	25-95	1000	12-24	24-44
	17JTS1.240KZ	70-240	1000	16-32	26-50
	17JTS1.300KZ	95-300	1000	18-34	28-54
	17JTS1.400KZ	185-400	1000	22-38	30-58
	17JTS1.630KZ	400-630	1000	26-44	38-64
	17JTS1.1000KZ	630-1000	1500	34-52	44-78
	17JTS1.1200KZ	800-1200	1500	38-58	50-88
24	24JTS1.95KZ	25-95	1000	18-28	26-52
	24JTS1.240KZ	70-240	1000	20-36	28-56
	24JTS1.300KZ	95-300	1000	22-38	30-62
	24JTS1.400KZ	185-400	1000	24-40	38-66
	24JTS1.630KZ	400-630	1000	30-46	44-78
	24JTS1.1000KZ	630-1000	1500	36-56	48-88
	24JTS1.1200KZ	800-1200	1500	40-60	52-98

- 17JTS type tested with BIL at 95 kV, PD at 2Uo (≤ 10 pC)
- 24JTS type tested with BIL at 150 kV, PD at 2Uo (≤ 10 pC)

JTS1 KZ type is suitable both cables with copper wire / copper tape screen.

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

36/42JTS1 KZ

HEAT-SHRINK MV STRAIGHT JOINTS FOR ARMORED SINGLE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN

APPLICATION

36/42JTS1 KZ heat-shrink straight joints are designed for armored, plastic insulated cables with Cu wire or Cu tape screen Armored (AWA/ATA), to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

36/42JTS KZ is the NEW high performance, compact and easy to install joint. Double bodies with all the electrical functions integrated.

The Nexans **36/42JTS KZ** is an integrated coextruded “stress control field + insulating” tube nested in a coextruded “insulating + conductive” tube which can withstand high voltage applications up to 42kV.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure
a Faraday cage and smooth the effect of the electrical field in the connector area.

The electrical continuity of the screen (both Cu tape or Cu wire) is ensured with a standard tinned copper tape plus an earthing ferrule or braid.

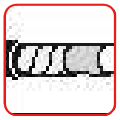
Armor mechanical protection and electrical continuity is achieved by using a wrap-around aluminum canister.

MC types are supplied with **GPH®** mechanical connectors.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
36	36JTS1.95KZ	25-95	1000	20-32	34-54
	36JTS1.240KZ	70-240	1000	22-38	38-62
	36JTS1.300KZ	95-300	1000	24-42	42-64
	36JTS1.400KZ	185-400	1500	28-46	44-70
	36JTS1.630KZ	400-630	1500	32-52	48-82
	36JTS1.1000KZ	630-1000	1500	42-60	52-92
	36JTS1.1200KZ	800-1200	1500	48-64	56-102
42	42JTS1.95KZ	25-95	1000	20-34	36-56
	42JTS1.240KZ	70-240	1000	26-42	40-68
	42JTS1.300KZ	95-300	1000	28-46	42-72
	42JTS1.400KZ	185-400	1500	32-48	46-76
	42JTS1.630KZ	400-630	1500	34-56	50-84
	42JTS1.1000KZ	630-1000	1500	44-62	56-96
	42JTS1.1200KZ	800-1200	1500	50-66	58-108

- 36 JTS type tested with BIL 200 kV at 2Uo (≤ 10 pC)



JTS1 KZ type is suitable both cables with copper wire / copper tape screen.

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

JTSR1 W (CS)

HEAT-SHRINK MV REPAIR JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN

APPLICATION

JTSR1 heat-shrink repair joints are designed for unarmored, plastic insulated cables with Cu wire or Cu/Al tape screen, to be used to fix MV cables in which a di- electrical/mechanical damage occurred.

TECHNICAL FEATURES

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and 400 mm² .

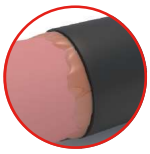
From 400 up to 630 mm² and 36/42 kV a double dual layer tube is used.

The joints **JTSR** are supplied with **GPH®** mechanical repair connectors (L = 440 mm).

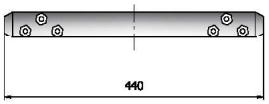
JTSR1 W (CS) type for CWS/CTS cables.
JTSR1 FC type for Al foil screen cables.

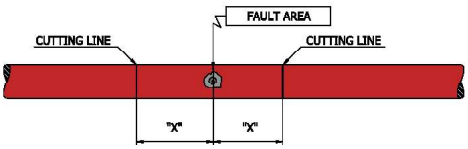
The outer sheath is restored with heavy wall adhesive lined tubing.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

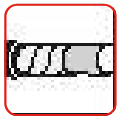


Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
24	24JTSR1.240W (CS)	70-240	1300	20-36	26-48
	24JTSR1.300W (CS)	95-300	1300	22-38	28-52
	24JTSR1.400W (CS)	185-400	1300	24-40	32-54
	24JTSR1.630W (CS)	400-630	1300	30-46	38-60
36	36JTSR1.240W (CS)	70-240	1500	22-38	34-52
	36JTSR1.300W (CS)	95-300	1500	24-42	34-54
	36JTSR1.400W (CS)	185-400	1500	28-46	38-60
	36JTSR1.630W (CS)	400-630	1500	32-52	44-66
42	42JTSR1.240W (CS)	70-240	1500	26-42	38-54
	42JTSR1.300W (CS)	95-300	1500	28-46	40-60
	42JTSR1.400W (CS)	185-400	1500	32-48	42-64
	42JTSR1.630W (CS)	400-630	1500	34-56	46-68





For cables with additional vapor screen please contact our sales office.



CS type is suitable both cables with copper wire / copper tape screen.

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

GTSIS1

HEAT-SHRINK MV SHIELD BREAK STRAIGHT JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN
Up to 20,8/36 (42) kV

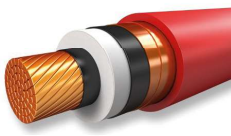
APPLICATION

GTSIS1 heat-shrink shield break straight joints are designed for unarmored, plastic insulated cables with Cu wire or Cu tape screen, to accommodate either crimped or mechanical connectors.
Nexans **GTSIS** provide screen interruption in the joint in order to separate earthing system networks (AC 20kV - impulse 70kV).
It can be supplied with single **(GTSIS "L")** or double **(GTSIS "L2")** earthing exits to allow screen transposition and cross bonding.

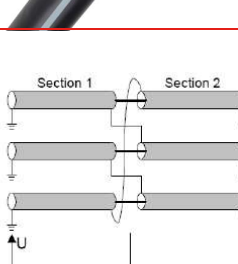
Type tested acc.
Cenelec HD 629.1
IEC 60502-4

TECHNICAL FEATURES

Along each section, a standing voltage is induced. In ideal cross-bonding systems the three section lengths are equal, so that no residual voltage occurs and thus no screen current flows.
GTSIS W type for CWS cables
GTSIS AW type for CTS cables
GTSIS FC type for Al foil screen cables.
MC types are supplied with **GPH®** mechanical connectors.
The outer sheath is restored with heavy wall adhesive lined tubing or in case of



Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
24	24GTSIS1.95W	25÷95	750	18-28	24-40
	24GTSIS1.240W	70÷240	750	20-36	26-48
	24GTSIS1.300W	95÷300	750	22-38	28-52
	24GTSIS1.400W	185÷400	1000	24-40	32-54
	24GTSIS1.630W	400÷630	1000	30-46	38-60
	24GTSIS1.1000W	630÷1000	1200	36-56	44-70
36	36GTSIS1.95W	25÷95	750	20-32	34-44
	36GTSIS1.240W	70÷240	1000	22-38	30-52
	36GTSIS1.300W	95÷300	1000	24-42	34-54
	36GTSIS1.400W	185÷400	1000	28-46	38-60
	36GTSIS1.630W	400÷630	1200	32-52	44-66
	36GTSIS1.1000W	630÷1000	1200	42-60	48-76
42	42GTSIS1.95W	25÷95	750	20-34	34-50
	42GTSIS1.240W	70÷240	1000	26-42	38-54
	42GTSIS1.300W	95÷300	1000	28-46	40-60
	42GTSIS1.400W	185÷400	1000	32-48	42-64
	42GTSIS1.630W	400÷630	1200	34-56	46-68
	42GTSIS1.1000W	630÷1000	1200	44-62	50-78



Induced voltage distribution at cross-bonding

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

17/24JTS3 CW

HEAT-SHRINK MV STRAIGHT JOINTS FOR UNARMORED THREE CORE POLYMERIC CABLES WITH COPPER WIRE SCREEN
Up to 12,7/22 (24) kV

Type tested acc.
Cenelec HD 629.1

APPLICATION

17/24JTS3 CW heat-shrink straight joints are designed for unarmoured, plastic insulated cables with Cu wire screen, to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

17/24JTS is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!
The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV.
A double layer pad with conductive rubber inside and HK orange mastic outside ensure
a Faraday cage and smooth the effect of the electrical field in the connector area.
The electrical continuity of the screen is ensured with a standard metallic tape plus earthing ferrules.
The outer sheath is restored with heavy/medium wall adhesive lined tubing.
Vapor barrier protection available upon request (VS).
MC types are supplied with "Nexans **GPH**" mechanical connectors.

Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
12/17,5	17JTS3.95CW	25-95	1200	12-24	38-66
	17JTS3.240CW	70-240	1200	16-32	46-80
	17JTS3.300CW	95-300	1400	18-34	52-86
	17JTS3.400CW	185-400	1500	22-38	62-94
24	24JTS3.95CW	25-95	1200	18-28	46-72
	24JTS3.240CW	70-240	1200	20-36	48-88
	24JTS3.300CW	95-300	1400	22-38	54-92
	24JTS3.400CW	185-400	1500	24-40	68-96

- **17JTS** type tested with BIL at 95 kV, PD at 2Uo (≤ 10 pC)
- **24JTS** type tested with BIL at 150 kV, PD at 2Uo (≤ 10 pC)

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

36/42JTS3 CW

HEAT-SHRINK MV STRAIGHT JOINTS FOR UNARMORED THREE CORE POLYMERIC CABLES WITH COPPER WIRE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

36/42JTS3 CW heat-shrink straight joints are designed for unarmoured, plastic insulated cables with Cu wire, to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

36/42JTS is the **NEW** high performance, compact and easy to install joint.
Double bodies with all the electrical functions integrated!

The Nexans **36/42JTS** is an integrated coextruded “stress control field + insulating” tube nested in a coextruded “insulating + conductive” tube, which can withstand high voltage
applications up to 42kV.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure
a Faraday cage and smooth the effect of the electrical field in the connector area.

The electrical continuity of the screen is achieved with a standard metallic tape plus earthing ferrules.

The outer sheath is restored with heavy/medium wall adhesive lined tubing.

Vapor barrier protection available upon request (VS).

MC types are supplied with “Nexans **GPH**” mechanical connectors.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
36	36JTS3.95CW	25-95	1600	20-32	64-92
	36JTS3.240CW	70-240	1600	22-38	66-112
	36JTS3.300CW	95-300	1600	24-42	70-118
	36JTS3.400CW	185-400	1800	28-46	80-132
42	42JTS3.95CW	25-95	1600	20-34	64-94
	42JTS3.240CW	70-240	1600	26-42	66-114
	42JTS3.300CW	95-300	1600	28-46	70-122
	42JTS3.400CW	185-400	1800	32-48	80-136

- **36JTS** type tested with BIL at 200 kV, PD at 2Uo (≤ 10 pC)

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

17/24JTS3 K

HEAT-SHRINK MV STRAIGHT JOINTS FOR ARMORED THREE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN
Up to 12,7/22 (24) kV

APPLICATION

17/24JTS3 K heat-shrink straight joints are designed for armored, plastic insulated cables with Cu wire or Cu tape screen, to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

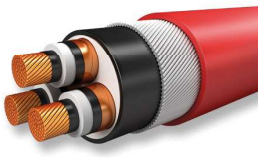
17/24JTS is the **NEW** high performance, compact and easy to install joint.

A single body with all the electrical functions integrated!
The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure
a Faraday cage and smooth the effect of the electrical field in the connector area.

Screen connection and armor continuity material whether SWA, STA, DSTA are included in the kit.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4



Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
12/17,5	17JTS3.95K	25-95	1400	12-24	40-74
	17JTS3.240K	70-240	1400	16-32	48-92
	17JTS3.300K	95-300	1400	18-34	56-98
	17JTS3.400K	185-400	1600	22-38	64-102
24	24JTS3.95K	25-95	1400	18-28	48-82
	24JTS3.240K	70-240	1400	20-36	54-98
	24JTS3.300K	95-300	1400	22-38	58-98
	24JTS3.400K	185-400	1600	24-40	66-106

- **17JTS** type tested with BIL at 95 kV, PD at 2Uo (≤ 10 pC)
- **24JTS** type tested with BIL at 150 kV, PD at 2Uo (≤ 10 pC)

For cables with additional vapor screen please contact our sales office.

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

36/42JTS3 K

HEAT-SHRINK MV STRAIGHT JOINTS FOR ARMORED THREE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN
Up to 20,8/36 (42) kV

APPLICATION

36/42JTS3 K heat-shrink straight joints are designed for armored, plastic insulated cables with Cu wire or Cu tape screen, to accommodate either crimped or mechanical connectors.

TECHNICAL FEATURES

36/42JTS is the **NEW** high performance, compact and easy to install joint.

Double bodies with all the electrical functions integrated!

The Nexans **36/42JTS** is an integrated coextruded “stress control field + insulating” tube nested in a coextruded “insulating + conductive” tube, which can withstand high voltage
applications up to 42kV.

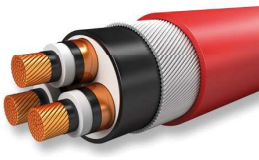
A double layer pad with conductive rubber inside and HK orange mastic outside ensure
a Faraday cage and smooth the effect of the electrical field in the connector area.

Screen connection and armor continuity material whether SWA, STA, DSTA are included in the kit.

MC types are supplied with **GPH®** mechanical connectors.

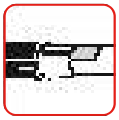
The outer sheath is restored with heavy/medium wall adhesive lined tubing.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4



Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
36	36JTS3.95K	25-95	1600	20-32	64-92
	36JTS3.240K	70-240	1600	22-38	66-112
	36JTS3.300K	95-300	1800	24-42	70-118
	36JTS3.400K	185-400	2100	28-46	80-132
42	42JTS3.95K	25-95	1600	20-34	64-94
	42JTS3.240K	70-240	1600	26-42	66-114
	42JTS3.300K	95-300	1800	28-46	70-122
	42JTS3.400K	185-400	2100	32-48	80-136

- **36JTS** type tested with BIL at 200 kV, PD at 2Uo (≤ 10 pC)



For cables with additional vapor screen please contact our sales office.

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

JTS3.1 CW

HEAT-SHRINK MV TRANSITION JOINTS BETWEEN UNARMORED THREE CORE POLYMERIC CABLES WITH Cu WIRE SCREEN AND N°3 SINGLE CORE CABLES WITH POLYMERIC INSULATION AND Cu WIRE SCREEN

APPLICATION

JTS3.1 CW heat-shrink transition joints are designed to connect three core plastic insulated cables with 3 single core cables.

TECHNICAL FEATURES

JTS is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV.

From 36kV a double dual layer tube is used.

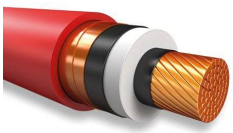
A double layer pad with conductive rubber inside and HK orange mastic outside ensure
a Faraday cage and smooth the effect of the electrical field in the connector area.

Type tested acc.
Cenelec HD 629.1
IEC 60502-4

- **JTS3.1 CW** type for CWS cables
- **JTS3.1 AW** type for CTS cables
- **JTS3.1 FC** type for Al foil screen cables.

MC types are supplied with **GPH®** mechanical connectors.

Um kV	Type	Section (mm²)	DOI (mm)	DOE 1C (mm)	DOE 3C (mm)	L min (mm)
12/17,5	17JTS3.1.95CW	25-95	12-24	20-38	38-66	900
	17JTS3.1.240CW	70-240	16-32	24-44	46-80	900
	17JTS3.1.300CW	95-300	18-34	26-48	52-86	1100
	17JTS3.1.400CW	185-400	22-38	30-52	62-94	1100
24	24JTS3.1.95CW	25-95	18-28	24-40	46-72	900
	24JTS3.1.240CW	70-240	20-36	26-48	48-88	1100
	24JTS3.1.300CW	95-300	22-38	28-52	54-92	1100
	24JTS3.1.400CW	185-400	24-40	32-54	68-96	1100
36	36JTS3.1.95CW	25-95	20-32	30-44	64-92	1200
	36JTS3.1.240CW	70-240	22-38	34-52	66-112	1400
	36JTS3.1.300CW	95-300	24-42	34-54	70-118	1400
	36JTS3.1.400CW	185-400	28-46	38-60	80-132	1400
42	42JTS3.1.95CW	25-95	20-34	34-50	64-94	1200
	42JTS3.1.240CW	70-240	26-42	38-54	66-114	1400
	42JTS3.1.300CW	95-300	28-46	40-60	70-122	1400
	42JTS3.1.400CW	185-400	32-48	42-64	80-136	1400



- **17JTS** type tested with BIL at 95 kV, PD at 2Uo (≤ 10 pC)
- **24JTS** type tested with BIL at 150 kV, PD at 2Uo (≤ 10 pC)
- **36JTS** type tested with BIL at 200 kV, PD at 2Uo (≤ 10 pC)

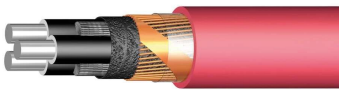
For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.



JTM1 W (CS)

HEAT-SHRINK MV TRANSITION JOINTS BETWEEN SINGLE CORE POLYMERIC CABLES WITH Cu WIRE OR TAPE SCREEN AND SINGLE CORE PAPER INSULATED PILC CABLES

APPLICATION

JTM1 heat-shrink transition joints are designed to connect single core plastic insulated cables with Cu wire or Cu tape screen and paper insulated PILC cables.

TECHNICAL FEATURES

JTM is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400 mm² .

From 36kV and sections from 400 up to 1000 mm² a double dual layer tube is used.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

MC types are supplied with **GPH®** mechanical connectors.

The outer sheath is restored with heavy/medium wall adhesive lined tubing.

Type tested acc.
Cenelec HD 629.2
IEC 60055-1

Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
24	24JTM1.95W-CS	25-95	600	18-28	24-40
	24JTM1.240W-CS	70-240	600	20-36	26-48
	24JTM1.300W-CS	95-300	750	22-38	28-52
	24JTM1.400W-CS	185-400	750	24-40	32-54
	24JTM1.630W-CS	400-630	1200	30-46	38-60
	24JTM1.1000W-CS	630-1000	1200	36-56	44-70
36	36JTM1.95W-CS	25-95	900	20-32	30-44
	36JTM1.240W-CS	70-240	1000	22-38	34-52
	36JTM1.300W-CS	95-300	1000	24-42	34-56
	36JTM1.400W-CS	185-400	1200	28-46	38-60
	36JTM1.630W-CS	400-630	1200	32-52	44-66

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

JTM3 W

HEAT-SHRINK MV TRANSITION JOINTS BETWEEN THREE CORE POLYMERIC CABLES WITH Cu WIRE SCREEN AND THREE CORE PAPER INSULATED PILC (1 LEAD) ARMORED/UNARMORED CABLES

APPLICATION

JTM3 heat-shrink transition joints are designed to connect three core plastic insulated cables with Cu wire screen and three paper insulated armored PILC cables.

TECHNICAL FEATURES

JTM3 is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400 mm².

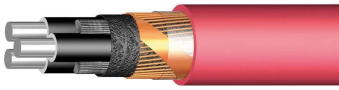
For 36kV a double dual layer tube is used.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

MC types are supplied with **GPH®** mechanical connectors.

The outer sheath is restored with heavy/medium wall adhesive lined tubing.

Type tested acc.
Cenelec HD 629.2
IEC 60055-1



Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
12/17,5	17JTM3.95W	25-95	1500	12-24	32-74
	17JTM3.240W	70-240	1600	16-32	42-92
	17JTM3.300W	95-300	1600	18-34	44-96
	17JTM3.400W	185-400	1600	22-38	54-102
24	24JTM3.95W	25-95	1500	18-28	44-82
	24JTM3.240W	70-240	1600	20-36	50-98
	24JTM3.300W	95-300	1600	22-38	52-106
	24JTM3.400W	185-400	1600	24-40	64-116
36	36JTM3.95W	25-95	1700	20-32	62-96
	36JTM3.240W	70-240	1800	22-38	68-120
	36JTM3.300W	95-300	1800	24-42	72-132
	36JTM3.400W	185-400	1800	28-46	84-142

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

JTM3.1 W

HEAT-SHRINK MV TRANSITION JOINTS BETWEEN ARMORED/UNARMORED THREE CORE PAPER INSULATED CABLES PILC (1 LEAD) AND N°3 SINGLE CORE CABLES WITH POLYMERIC INSULATION AND Cu WIRE SCREEN

APPLICATION

JTM3.1 W heat-shrink transition joints are designed to connect three core paper insulated cables PILC (1 LEAD) with 3 single core cables.

TECHNICAL FEATURES

JTM3.1 is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400mm .

From 36kV a double dual layer tube is used.

A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

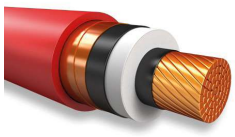
- **JTM3.1 W** type for CWS cables
- **JTM3.1 AW** type for CTS cables
- **JTM3.1 FC** type for Al foil screen cables.

MC types are supplied with **GPH®** mechanical connectors.

The outer sheath is restored with heavy wall adhesive lined tubing or in case of

Type tested acc.
Cenelec HD 629.2
IEC 60055-1

Um kV	Type	Section (mm²)	DOI (mm)	DOE 1C (mm)	DOE 3C (mm)	L min (mm)
12/17,5	17JTM3.1.95W	25-95	12-24	20-38	32-74	900
	17JTM3.1.240W	70-240	16-32	24-44	42-92	900
	17JTM3.1.300W	95-300	18-34	26-48	44-96	1100
	17JTM3.1.400W	185-400	22-38	30-52	54-102	1100
24	24JTM3.1.95W	25-95	18-28	24-40	44-82	900
	24JTM3.1.240W	70-240	20-36	26-48	50-98	1100
	24JTM3.1.300W	95-300	22-38	28-52	52-106	1100
	24JTM3.1.400W	185-400	24-40	32-54	64-116	1200
36	36JTM3.1.95W	25-95	20-32	30-44	62-96	1200
	36JTM3.1.240W	70-240	22-38	34-52	68-120	1400
	36JTM3.1.300W	95-300	24-42	34-56	72-132	1400
	36JTM3.1.400W	185-400	28-46	38-60	84-142	1400



For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

JTM3 K

HEAT-SHRINK MV TRANSITION JOINTS BETWEEN THREE CORE POLYMERIC CABLES WITH Cu WIRE AND TAPE SCREEN ARMORED AND THREE CORE PAPER INSULATED PILC (1 LEAD) ARMORED CABLES

APPLICATION

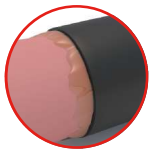
JTM3 K heat-shrink transition joints are designed to connect three core plastic insulated cables with Cu wire/tape screen armored and three core paper insulated armored
PILC (1 Lead) cables.

Type tested acc.
Cenelec HD 629.2
IEC 60055-1

TECHNICAL FEATURES

JTM3 K is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400 mm .



For 36kV a double dual layer tube is used.

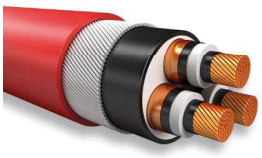
A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

Screen connection and armor continuity material whether SWA, STA, DSTA are included in the kit.

MC types are supplied with **GPH®** mechanical connectors.

The outer sheath is restored with heavy/medium wall adhesive lined tubing.

Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
12/17,5	17JTM3.95K	25-95	1600	12-24	32-74
	17JTM3.240K	70-240	1600	16-32	42-92
	17JTM3.300K	95-300	1600	18-34	44-96
	17JTM3.400K	185-400	1800	22-38	54-102
24	24JTM3.95K	25-95	1600	18-28	44-82
	24JTM3.240K	70-240	1600	20-36	50-98
	24JTM3.300K	95-300	1600	22-38	52-106
	24JTM3.400K	185-400	1800	24-40	64-116
36	36JTM3.95K	25-95	1800	20-32	62-96
	36JTM3.240K	70-240	1800	22-38	68-120
	36JTM3.300K	95-300	1800	24-42	72-132
	36JTM3.400K	185-400	2100	28-46	84-142



For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

JTM3 KB

HEAT-SHRINK MV TRANSITION JOINTS BETWEEN THREE CORE POLYMERIC CABLES WITH Cu WIRE AND TAPE SCREEN ARMORED AND THREE CORE PAPER INSULATED PILC (HSL) ARMORED CABLES

APPLICATION

JTM3 KB heat-shrink transition joints are designed to connect three core plastic insulated cables with Cu wire/tape screen armored and three core paper insulated armored
PILC (HSL) cables.

TECHNICAL FEATURES

JTM3 KB is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400 mm .

For 36/42kV a double dual layer tube is used.

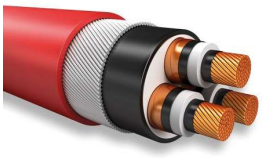
A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

Screen connection and armor continuity material whether SWA, STA, DSTA are included in the kit

MC types are supplied with **GPH®** mechanical connectors.

The outer sheath is restored with heavy/medium wall adhesive lined tubing.

Type tested acc.
Cenelec HD 629.2
IEC 60055-1



Um kV	Type	Section range (mm²)	L (mm)	DOI insulation (mm)	DOE outer sheath (mm)
24	24JTM3.95KB	25-95	1600	18-28	44-82
	24JTM3.240KB	70-240	1600	20-36	50-98
	24JTM3.300KB	95-300	1600	22-38	52-106
	24JTM3.400KB	185-400	1800	24-40	64-116
36	36JTM3.95KB	25-95	1800	20-32	62-96
	36JTM3.240KB	70-240	1800	22-38	68-120
	36JTM3.300KB	95-300	1800	24-42	72-132
	36JTM3.400KB	185-400	2100	28-46	84-142
42	42JTM3.95KB	25-95	1800	20-34	68-98
	42JTM3.240KB	70-240	1800	24-40	74-124
	42JTM3.300KB	95-300	1800	28-46	78-138
	42JTM3.400KB	185-400	2100	32-48	84-152

For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

3. JTM1 W(CS)

HEAT-SHRINK MV TRANSITION JOINTS BETWEEN SINGLE CORE POLYMERIC CABLES
WITH Cu WIRE OR TAPE SCREEN AND THREE CORE PAPER INSULATED PILC

APPLICATION

3. JTM1 heat-shrink transition joints are designed to connect single core plastic insulated cables with Cu wire or Cu tape screen and paper insulated PILC (HSL) armored/unarmored cables.

TECHNICAL FEATURES

3. JTM is the **NEW** high performance, compact and easy to install joint.
A single body with all the electrical functions integrated!

The Nexans **"TRIPLE GT125"** is an integrated stress control field, insulating and conductive tube, which can withstand high voltage applications up to 24kV and up to 400mm .

From 36kV a double dual layer tube is used.

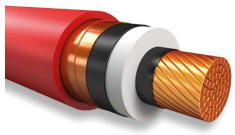
A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field in the connector area.

MC types are supplied with **GPH®** mechanical connectors.

The outer sheath is restored with heavy/medium wall adhesive lined tubing.

Type tested acc.
Cenelec HD 629.2
IEC 60055-1

Um kV	Type	Section (mm²)	DOI (mm)	DOE 1C (mm)	DOE 3C (mm)	L min (mm)
24	3.24JTM1.95 W(CS)	25-95	18-28	24-40	44-82	1200
	3.24JTM1.240 W(CS)	70-240	20-36	26-48	50-98	1200
	3.24JTM1.300 W(CS)	95-300	22-38	28-52	52-106	1200
	3.24JTM1.400 W(CS)	185-400	24-40	32-54	64-116	1200
36	3.36JTM1.95 W(CS)	25-95	20-32	30-44	62-96	1300
	3.36JTM1.240 W(CS)	70-240	22-38	34-52	68-120	1400
	3.36JTM1.300 W(CS)	95-300	24-42	34-54	72-132	1400
	3.36JTM1.400 W(CS)	185-400	28-46	38-60	84-142	1400
42	3.42JTM1.95 W(CS)	25-95	20-34	34-50	68-98	1300
	3.42JTM1.240 W(CS)	70-240	26-42	38-54	74-124	1400
	3.42JTM1.300 W(CS)	95-300	28-46	40-60	78-138	1400
	3.42JTM1.400 W(CS)	185-400	32-48	42-64	84-152	1400



For other cable types please contact our sales office.

Please contact our sales office when inquiring joints for same type cables with different cross sections.

Various earth connection design solutions exist for armoring. For exact details contact our sales office.

Design accommodates various connector/ ferrule types.

Various earth for connection kits are available for screen connection. For exact details contact our sales office.

52GTS.1

HEAT-SHRINK STRAIGHT JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH Cu WIRE SCREEN
Up to 26/45 (52) kV

Type tested acc.
IEC 60840

APPLICATION

52GTS1 heat-shrink straight joints are designed to connect single core plastic insulated cables with Cu wires screen with Um=52kV.

TECHNICAL FEATURES

Conductive tape is used to fill the gaps and cover the connector.

The screen cut on both sides are covered with stress grading mastic plates as well as the connector area.

The joint body consists of a stress control tubing, an insulating, heavy wall tubing and finally heavy dual wall screened insulating tube.

- **52GTS1. I** type for CWS cables
- **52GTS1. AW** type for CTS cables
- **52GTS.1 FC** type for Al foil screen cables

MC types are supplied with **GPH®** mechanical connectors.

The outer sheath is restored with heavy wall adhesive lined tubing or in case of

Um kV	Type	Section (mm²)	DOI (mm)	DOE (mm)	L (mm)
52 kV	52GTS1.95i	25-95	26-32	30-44	1000
	52GTS1.240i	70-240	28-40	32-46	1200
	52GTS1.400i	185-400	32-46	36-50	1200
	52GTS1.630i	400-630	38-52	44-56	1200
	52GTS1.1200i	630-1200	46-64	52-70	1200

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Nexans
ELECTRIFY THE FUTURE

- QUICK AND EASY TO INSTALL, SHORT DESIGN
- EXCELLENT INSULATING PROPERTIES
- ADVANCED SCREEN CONNECTION AND ARMOUR CONTINUITY
- INTEGRATED STRESS CONTROL FOR THE WHOLE TERMINATION OR JOINT LENGTH
- PROOF AGAINST WATER PENETRATION AND CHEMICALS AGGRESSION
- SUITABLE FOR CRIMPING OR MECHANICAL CONDUCTOR LUGS/CONNECTORS
- COMPLIANT TO REACH REGULATIONS
- PREMIUM TECHNICAL SUPPORT
- MADE IN EU
- REDUCED Nr OF KITS TO COVER TO FULL RANGE OF CROSS SECTION AND VOLTAGES
- EASY POSITIONING OF THE STRESS RELIEF VOID FILLING PAD (MONO type)
- UNLIMITED SHELF LIFE OF TUBING IF PROPERLY STORED
- HEAVY WALL TUBING FOR HIGH MECHANICAL STRENGHT AND IMPACT RESISTANCE

Nexans Electrify the Future.
For many years we have been producing single, double and tripie layer heat-shrink tubing with excellent materials and processing properties.
This enables us to combine a comprehensive range of technically mature and high-quality power cable accessories in accordance with international industry standards and European norms.
Our products are competitive due to quality, performance and technical advance.

Please ask for straight joints, transition joints, terminations, tubes, end caps and mastics for single and threecore cables in low and medium voltage applications.

Nexans Power Accessories
sales.npai@nexans.com
www.nexans.com/power_accessories

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