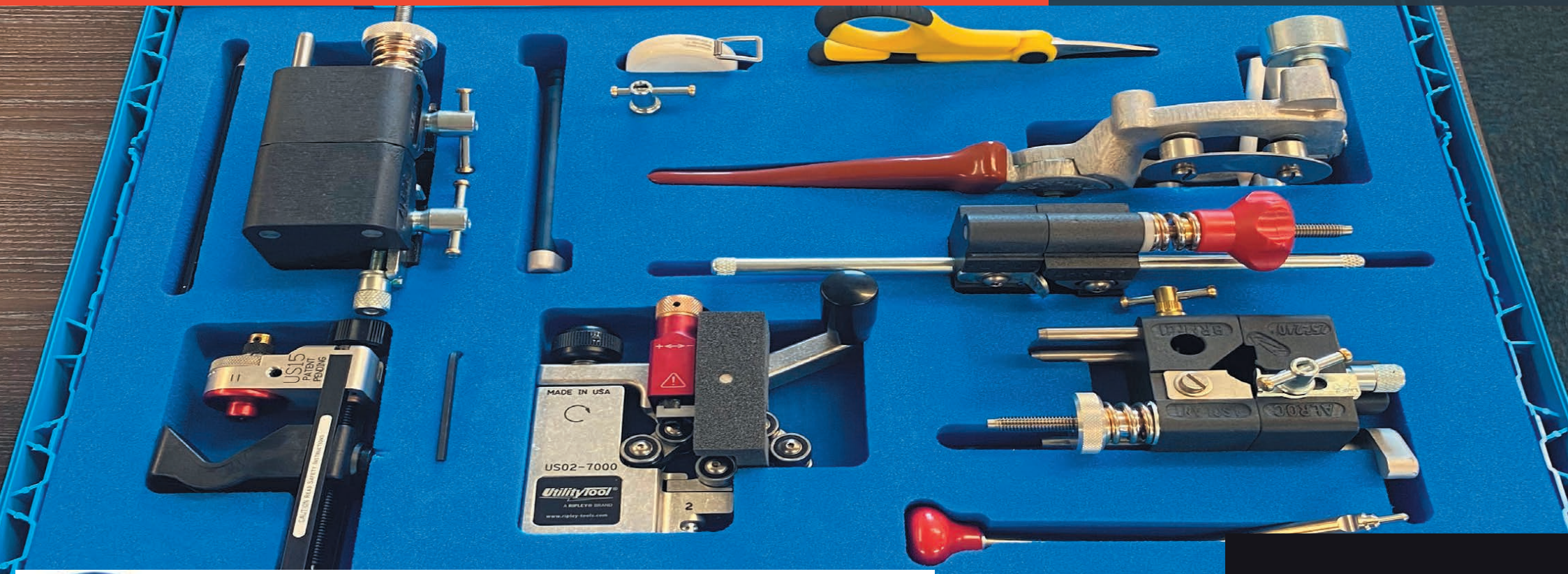


## NEXANS POWER ACCESSORIES **EXPERT TOOLKIT**



**THORNE &  
DERRICK**  
INTERNATIONAL

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# About Nexans

Nexans Power Accessories is the leading European specialized innovator, manufacturer and distributor of low, medium and high voltage accessories as well as connection technology for energy transmission and distribution networks.

Wherever LV/MV cables are connected or energy transmission and distribution is required, we prove competence for critical links with reliable cables and accessories.

As the Centre of Competence for cable accessories, our engineers and technicians have taken on responsibility for cable connection technologies in the Nexans Group.

Our mission is to provide **unique innovative** cable and accessories **solutions**, which support the world's electrification and environmental challenges.

We connect the world's power grids. We electrify the future.

## OUR TRAINING FACILITIES

As a global leader in advanced cabling and connectivity solutions - and committed to raise the standards for cable accessory installation in the UK - we specialise in providing training courses from our state-of-the-art training and testing centre located in West Yorkshire, UK.

Providing practical and theoretical training for jointers and engineers on all aspects of MV/ LHV cable accessories, our courses are delivered by the very best in class trainers, possessing unrivalled experience and expertise.

Our courses cover various subjects including:

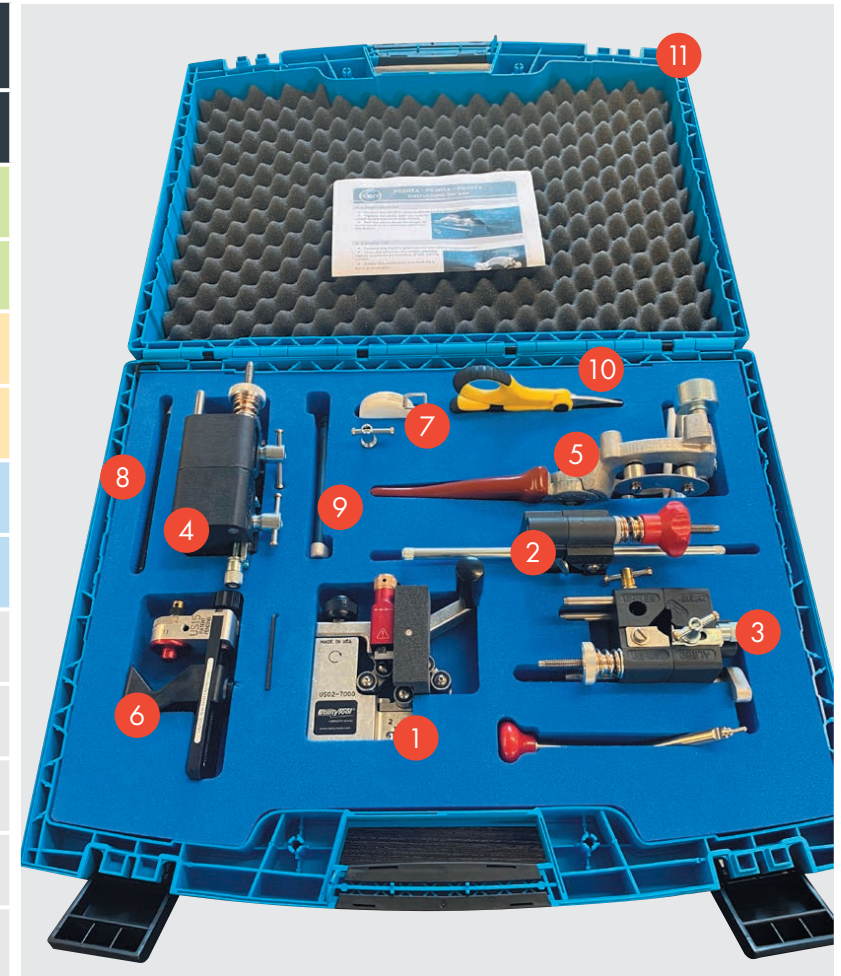
- Cable construction
- Cable preparation
- Installation of heat shrink/cold shrink
- Installation of push on terminations
- Installation of separable connectors and joints.



## NEXANS EXPERT TOOLKIT

As specialists in the field, we understand the cable preparation and cable fixing solutions that are required by jointers and engineers. As such, we have combined complementary tools into one kit – Nexans Expert Toolkit – allowing professionals to have all the expert tools they need in one place.

Nexans Tool kit 2022				
Supplier		Part No.	Description	Page No.
1	Ripley	US02-7000	Semi-con shaving tool	4
2	Alroc	LHA-60	Chamfering tool	5
3	Alroc	BRMRD1E	Insulation removal tool	6
4	Alroc	LH2	Large insulation removal tool	7
5	Alroc	PG4HTA3033	Outer sheeth removal tool	9
6	Ripley	US15	Large format cable splitter	9
7	Alroc	MRA	Cable measure tape	10
8	Nexans	n/a	Pencil	10
9	Nexans	n/a	Ruler	10
10	Ripley	KS2	Scissors	11
11	Alroc	n/a	Case with foam cut-outs	11



# Cable Semi-Con Shaving Tool

The US02 quickly and easily removes bonded semi-con from 5 to 35 kV (66kV, request further details) power cables. Its unique blade shape preserves the smooth surface on insulation, eliminating the need for deburring or additional surface finishing. Its optimal stability design securely supports cables with diameters from 0.71" to 2.4" (18 mm to 60 mm) throughout the shaving operation.

Part No. US02-7000

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## Features

- Compact design accurately removes semi-con within 1.18" (30 mm) of the jacket on mid-span & end stripping applications
- Precision blade depth adjusts in increments of 0.004" (0.1 mm)
- Adjusts for 0.71" to 2.4" (18 mm to 60 mm) cable diameters with semi-con thicknesses up to 0.095" (2.4 mm)
- A revolving ergonomic handle & accessible adjustment knobs reduce effort & potential strain from repetitive shaving functions
- Stop position squares off the edge to complete the shaving operation without the need for an additional clamp
- Factory-set blade is easily replaced

## Compatibility

- PART # **US02-7000**
- CABLE VOLTAGE CABLE SIZE: **5 kV to 35 kV**
- CABLE SIZE Ø: **0.71" - 2.4" (18 - 60 mm)**
- SEMI-CON THICKNESS: **Up to 0.095" (2.4 mm)**
- CHAMFER ANGLE: **12°**
- REPLACEMENT BLADE PART # **US02-7501**



Unique blade shape leaves surface of insulation extremely smooth.



Extra rollers provide tool stability on a range of cable sizes.



Winding pin keeps semi-con strip from getting in the way.



Equipped with four speed positions to optimize performance.

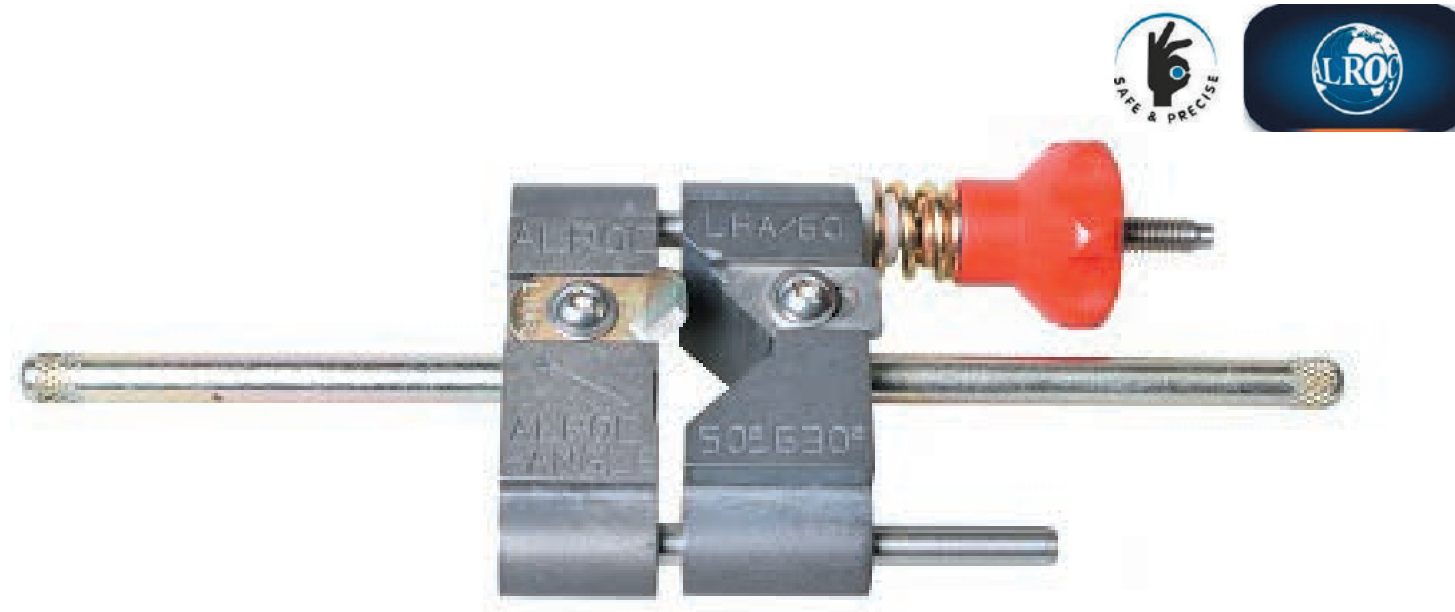


# Tool to chamfer insulation

The LHA/60 enables the user to realise a chamfer of 30° at the extremity of the insulation of MV cables.

Part No. LHA/60

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## Associated tool

- BRMRD1E - Tool to remove insulation
- ROTO-TMG - Connector holder for bolted and clamping connections
- 122818 - Allen key size 3mm

## Compatibility

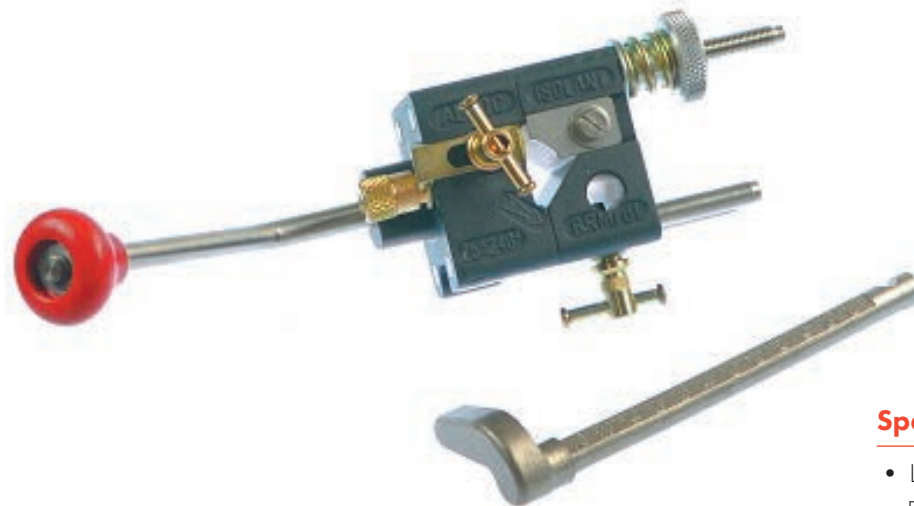
- PART # **LHA/60**
- DIAMETER: 0,551" - 1,575" (14 - 40 mm)
- CHAMFER ANGLE: 30°
- LENGTH: 10,433" (265mm)
- WIDTH: 4,134" (105mm)
- WEIGHT: 1,772" (45mm)
- SPARE PART: **LHAC** (Spare blade chamfer insulation)

# Tool to remove primary insulation

The BRMRD1E enables the user to set the length and remove the insulation with a straight and neat cut on MV cables.

Part No. BRMRD1E

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## Spare part

- LMF2 - Spare blade for primary insulation
- BR - Thrust to set the length of insulation to be remove
- VBB1 - Screw for locking the thrust
- PCR - Quick set up right angled 45° handle
- VBL1 - Screw for locking the blade LMF2

## Associated tool

- LHA - Tool to chamfer insulation
- MF2/40 - Multifonction tool for outer sheath and insulation
- ASC25 R1 - Tools to remove the bonded semiconductor with chamfer

## Compatibility

- PART # **BRMRD1E**
- DIAMETER: **0,551" - 1,575" (14 - 40 mm)**
- INSULATION THICKNESS CAPACITY: **0,354" (9mm)**
- LENGTH: **10,630" (270mm)**
- WIDTH: **3,937" (100mm)**
- HEIGHT: **6,496" (165mm)**

# Monofunction tool for insulation

The LH2 enables the user to remove the insulation.

Part No. LH2

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## Spare part

- LAC2 - Spare blade for insulation

## Associated tool

- LHS2 - Monofunction tool for semiconductor
- PRG3/C20-L222830 - Pliers for MV cable outer sheath with 3 adjustable longitudinal cutting depth
- BMF2 - Thrust to stop the tool
- LH2-CP-V - Empty case for LH2

## Compatibility

- PART # LH2
- DIAMETER: 1,496 - 2,362" (38 - 60mm)
- MAX CUTTING DEPTH: 0,669" (17mm)
- LENGTH: 16,732" (425mm)
- WIDTH: 4,134" (105mm)
- HEIGHT: 3,346" (85mm)



# Pliers for MV cable outer sheath

The PG4HTA/3033 enables the user to make a circular and longitudinal cut in order to remove cable's outer sheath.

- All cutting depth ranging from 0,5 mm / 0,019 in to 5 mm / 0,196 in are available on demand
- How to built your customized pliers : PG4HTA/yyzz
- yy = Circular cutting depth  
e.g : 30 = 3,0 mm / 0,118"
- zz = Longitudinal cutting depth  
e.g : 33 = 3,3 mm / 0,130"

Part No. PG4HTA/3033

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## Spare part

- MTC4/30 - Spare blade for circular cutting 3,0 mm / 0,118" (x4)
- MTL4/33 - Spare blade for longitudinal cutting 3,3 mm / 0,129"

## Associated tool

- LH2 - Monofunction tool for insulation
- LHM2R30/60 - Monofunction tool for peelable semiconductor

## Compatibility

- PART # **PG4HTA/3033**
- DIAMETER: **1,850" - 2,953" (47 - 75 mm)**
- CIRCULAR CUTTING THICKNESS CAPACITY: **0,118" (3,0mm)**
- LONGITUDINAL CUTTING THICKNESS CAPACITY: **0,130" (3,3mm)**
- LENGTH: **11,811" (300mm)**
- WIDTH: **4,331" (110mm)**
- HEIGHT: **4,134" (105mm)**

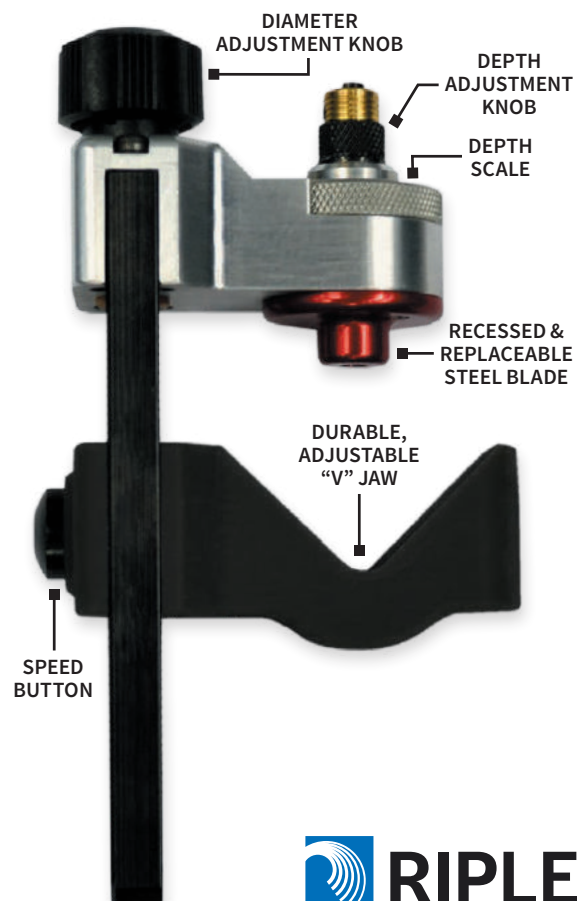


# Large Format Cable Slitter

Introducing the new US15 Large Format Cable Slitter, a versatile tool cable of performing slit, ring, and spiral cuts on cable diameters from 10 to 50 mm. Equipped with a hardened steel blade, the tool provides fast, safe, and precise jacket removal from both hard and soft insulated cables without damaging the underlying layers.

Part No. US15

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 **RIPLEY®**

## Features

- Equipped with safe, recessed blade to prevent potential injury & blade damage
- Compatible with large telecom cables, large fiber optic ducts & various other large diameter power cables
- Easily adjust the blade position to perform ring, spiral & longitudinal cuts
- Quickly adjusts to suit hard & soft insulated cables with 0.39" to 1.96" (10 mm to 50 mm) cable diameters
- Blade depth knob adjusts up to 0.177" (4.5 mm) in increments of 0.002" (0.05 mm) & features a convenient inch or metric scale for guaranteed precision
- Replaceable, machined & ground tool steel blade
- Reinforced diameter adjustment jaw is durable & travels on a threaded rod to provide precise stability between the blade & jacket

## Compatibility

- PART # **US15-7000 Large Format Cable Slitter (Metric Scale)**
- PART # **US15-7001 Large Format Cable Slitter (Inch Scale)**
- CABLE DIAMETER(S): **0.39" - 1.96" (10 - 50mm)**
- JACKET TYPES: **HDPE - PE - PVC - Rubber**
- ADJUSTABLE BLADE DEPTH: **0.177" (4.5mm)**
- LENGTH: **5.125" (130mm)**
- WEIGHT: **8.82oz (250g)**
- REPLACEMENT BLADE PART # **US15-7500**



Quick-adjust jaw accepts hard & soft insulated cables ranging from 0.39" to 1.96" (10 mm to 50 mm).



Knobs are engineered with knurls & grooves for easy adjustment when wearing gloves.



Recessed steel blade makes tool safe to carry & store.



Quickly & easily performs ring, spiral & longitudinal cuts.



# Accessories

Our toolkit comes with a range of handy accessories, perfect for on the go.

All tools and accessories are housed within a robust case, with foam cut-outs for protection.



# Nexans Power Accessories

We have a wide range of low, medium and high voltage accessories as well as connection technology for energy transmission and distribution networks.

**Our range includes:**



## JTS Heat Shrinkable Joints



### APPLICATION

Revolutionizing the jointing sector, JTS is a triple layer tube innovation that enables jointers to:

- Heat only one tube instead of three for 12 to 24kv applications and;
- Heat only two tubes instead of three to 42kv applications

### TECHNICAL CAPABILITIES

With all electrical functions fully integrated JTS offers:

- A single body for 12-24kv
- Double bodies for 36-42kv

## Interface F Coupling Connector (Q909TB)



### APPLICATION

Separable tee shape connector (bolted type) designed to connect polymeric insulated cable to equipment (transformers, switchgear, motors, ...). Also connects cable to cable when using the appropriate mating parts.

### TECHNICAL CAPABILITIES

- The thick conductive EPDM jacket provides a total safe to touch screen which ensures safety for personnel.
- Each separable connector is tested for AC withstand and partial discharge prior to leaving the factory.

## Interface F Coupling Connector (Q909PB)



### APPLICATION

Separable coupling connector (bolted type) for dual cable arrangement. It has been designed to be used with Q909TB separable tee connector.

### TECHNICAL CAPABILITIES

- The thick conductive EPDM jacket provides a total safe to touch screen which ensures safety for personnel.
- Each separable connector is tested for AC withstand and partial discharge prior to leaving the factory.

For more information visit: [www.nexanspoweraccessories.co.uk](http://www.nexanspoweraccessories.co.uk)

To find out more about Nexans Expert Toolkit – and to order yours today – contact the team on:

The logo for Thorne & Derrick International features a blue circle containing the letters 'T&D' in a stylized white font.

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