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## Low Voltage Zero Halogen Cable Joints For Limited Fire Hazard Cables



- Fire tested and compliant with London Underground standards 2-0100-002 for the fire safety of materials and E4156 for the cable standard
- Slim profile and unlimited shelf life Complete with range taking mechanical shearbolt connectors above 95mm<sup>2</sup>
- Full range of joints available for all cable types including power and multicore cables

Thorne & Derrick can now offer a range of heatshrink joints suitable for both single and multicore low smoke fume zero halogen cables.

Developed for London Underground for use within the tunnels and above surface, the system incorporates flame retardant, non halogen polyolefin heatshrink tubing with a meltable inner liner that itself has excellent flame retardant properties with reduced acid gas emission and smoke generation.



The system incorporates a flexible outer fire barrier tube that provides a high degree of fire resistance. For installations outside of the tunnels this can be omitted.

For ease of use, the range comes complete with range finding mechanical shearbolt connectors. Slim in profile the joints can be installed in horizontal and vertical planes and have an unlimited shelf life.

<b>HEATSHRINK JOINTS TO SUIT 1-4 CORE XLPE/SWALSOH</b>		
<b>PART NUMBER</b>	<b>CABLE RANGE</b>	<b>VOLTAGE</b>
SPA NHF 1.5-2.5-	1.5 - 2.5mm <sup>2</sup>	600/1000V
SPA NHF 4-6-	4 - 6mm <sup>2</sup>	600/1000V
SPA NHF 10-16-	10 - 16mm <sup>2</sup>	600/1000V
SPA NHF 25-50-	25 - 50mm <sup>2</sup>	600/1000V
SPA NHF 70-95-	70 - 95mm <sup>2</sup>	600/1000V
SPA NHF 120-185-	120 - 185mm <sup>2</sup>	600/1000V
SPA NHF 240-300-	240 - 300mm <sup>2</sup>	600/1000V
SPA NHF 400-630-	400-630mm <sup>2</sup>	600/1000V
SPA NHF 800-1000-	800-1000mm <sup>2</sup>	600/1000V

**Notes:-**

- 1 For non armoured joints, omit letter (A) from the part number
- 2 Add last digit to part number to indicate number of cores



**GATESHEAD**

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**HEATSHRINK JOINTS TO SUIT MULTICORE XLPE/SWALSOH**

<b>PART NUMBER</b>	<b>CABLE RANGE</b>	<b>VOLTAGE</b>
SPA NHF 1.5-2.5-5	5 core 1.5 - 2.5mm <sup>2</sup>	600/1000V
SPA NHF 1.5-2.5-7	7 core 1.5 - 2.5mm <sup>2</sup>	600/1000V
SPA NHF 1.5-2.5-12	12 core 1.5 - 2.5mm <sup>2</sup>	600/1000V
SPA NHF 1.5-2.5-19	19 core 1.5 - 2.5mm <sup>2</sup>	600/1000V
SPA NHF 1.5-2.5-27	27 core 1.5 - 2.5mm <sup>2</sup>	600/1000V
SPA NHF 1.5-2.5-37	37 core 1.5 - 2.5mm <sup>2</sup>	600/1000V
SPA NHF 1.5-2.5-48	48 core 1.5 - 2.5mm <sup>2</sup>	600/1000V
SPA NHF 1.5-2.5-61	61 core 1.5 - 2.5mm <sup>2</sup>	600/1000V

**Notes:-**

- 1 For non armoured joints, omit letter (A) from the part number
- 2 Add last digit to part number to indicate number of cores

## Low Voltage Zero Halogen Cable Joints For Fire Resistant Cables



- **Designed for use where low smoke fume or fire resistance is essential**
- **Designed to meet the general requirements of IEC 331 and VDE 0472 for fire resistance and test method ASTM D-350 method B for flammability**
- **Joints available for all types of LV and MV cables**

Fire resistant cables are usually installed where vital electrical circuits are required to continue operating in the event of a fire. Thorne & Derrick can provide joint kits to suit these cable types for both single and multicore configurations.

In addition to utilising LSF/Zero halogen heatshrink tubes and fire barrier tubes, the joints incorporate mica tape over each of the cores.

Mica tape is a slit silica tape constructed from 96% pure SiO<sub>2</sub> silica fiber, coated one side with a pressure sensitive adhesive backing that facilitates installation. The adhesive decomposes at high temperatures, leaving a perfectly taped core

Suitable for use at 1800°F (982°C), and able to withstand short term exposure up to 3000°F (1650°C), mica tape when combined with our proven zero halogen joint range, enables the joint to work in these extreme conditions.



Contact us for more details.