

## 17JTS1 W (CS) - 24JTS1 W (CS)

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR UNARMoured SINGLE CORE POLYMERIC CABLES WITH COPPER WIRE OR COPPER TAPE SCREEN  
Up to U<sub>max</sub> 24 kV

### APPLICATION

**17-24JTS1 W** heat-shrinkable straight joints are designed for unarmoured, plastic insulated cables with Cu wire or Cu tape screen, to accommodate either crimped or mechanical connectors.

### TECHNICAL CHARACTERISTICS AND DESIGN

**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 and of the voltage gradient 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**) or with a standard tinned copper tape plus an earthing ferrule in case of only copper wire screen (**W type**).

The outer sheath is restored with heavy wall adhesive lined tubing. MC types are supplied with “Nexans GPH” mechanical connectors.

Um kV	Type	Section range (mm²)	Length L (mm)	DOI Insulation (mm)	DOE Outer (mm)
12/17,5	17JTS1.95W-(CS)	25+95	600	12-24	20-38
12/17,5	17JTS1.240W-(CS)	70+240	600	16-32	24-44
12/17,5	17JTS1.300W-(CS)	95+300	600 (750 CS)	18-34	26-48
12/17,5	17JTS1.400W-(CS)	185+400	750 (1000 CS)	22-38	30-52
24	24JTS1.95W-(CS)	25+95	600	18-28	24-40
24	24JTS1.240W-(CS)	70+240	600	20-36	26-46
24	24JTS1.300W-(CS)	95+300	600 (750 CS)	22-38	28-52
24	24JTS1.400W-(CS)	185+400	750 (1000 CS)	24-40	32-54

- **17JTS** type tested with BIL at 95 kV, PD at 2U<sub>o</sub> (≤ 10 pC)  
- **24JTS** type tested with BIL at 150 kV, PD at 2U<sub>o</sub> (≤ 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.

## 36JTS1 W (CS) - 42JTS1 W (CS)

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR UNARMoured SINGLE CORE POLYMERIC CABLES WITH COPPER WIRE OR COPPER TAPE SCREEN  
Up to U<sub>max</sub> 42 kV

### APPLICATION

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

### TECHNICAL CHARACTERISTICS AND DESIGN

**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” 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 and of the voltage gradient 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**) or with a standard tinned copper tape plus an earthing ferrule in case of only copper wire screen (**W type**).

The outer sheath is restored with heavy wall adhesive lined tubing. MC types are supplied with “Nexans GPH” mechanical connectors.

Um kV	Type	Section range (mm²)	Length L (mm)	DOI Insulation (mm)	DOE Outer (mm)
36	36JTS1.95W-(CS)	25+95	600 (750 CS)	18-32	32-48
36	36JTS1.240W-(CS)	70+240	750 (900 CS)	24-38	34-54
36	36JTS1.300W-(CS)	95+300	750 (900 CS)	26-40	34-58
36	36JTS1.400W-(CS)	185+400	750 (1000 CS)	28-44	38-62
42	42JTS1.95W-(CS)	25+95	600 (750 CS)	20-34	34-50
42	42JTS1.240W-(CS)	70+420	750 (900 CS)	26-42	38-54
42	42JTS1.300W-(CS)	95+300	750 (900 CS)	28-46	40-60
42	42JTS1.400W-(CS)	185+400	750 (1000 CS)	32-48	42-64

- **36JTS** type tested with BIL at 200 kV

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.

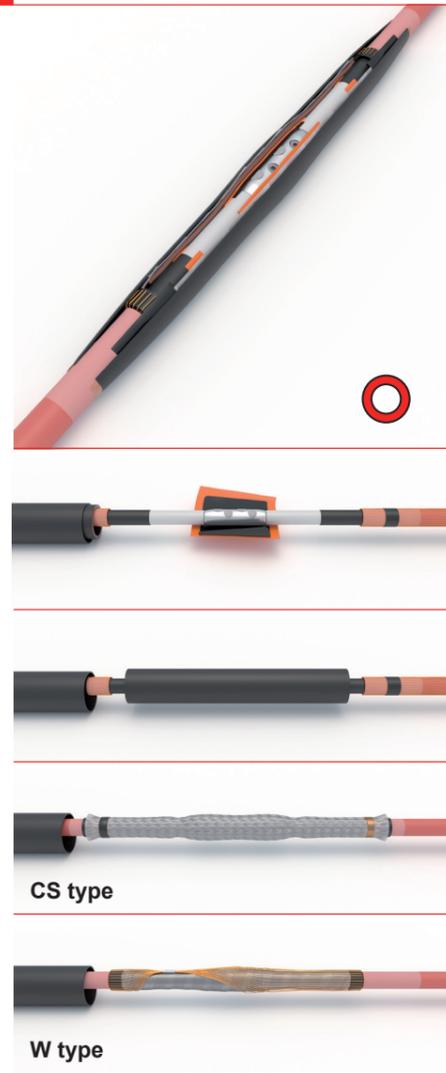
For other cable types please contact our sales office.

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.



Specifications and Standards  
CENELEC HD 629.1 S2  
IEC 60502-4



Specifications and Standards  
CENELEC HD 629.1 S3  
IEC 60502-4