

# 11-22kV SINGLE CORE STRAIGHT JOINT

## 17JTS1 W - 24JTS1 W UP TO 1200mm<sup>2</sup>

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR UNARMoured SINGLE CORE POLYMERIC CABLES WITH COPPER WIRE 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 screen, supplied with 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 to ensure a Faraday cage and smooth the voltage gradient in the connector area.

The electrical continuity of the screen is carried through the joint by one or more mechanical screen links and a tinned copper mesh tape that is wrapped over the joint.

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

All Connectors supplied are "Nexans GPH" mechanical connectors.

Um	Type	Order Code Single kit	Order Code 3x kit	Section range**	Length L
<b>kV</b>				<b>mm<sup>2</sup></b>	<b>mm</b>
12	17JTS1.95+M16.95 CW	IT7670	IT8081	25-95	600
12	17JTS1.240+M70.240 CW	IT7671	IT8082	70-240	600
12	17JTS1.300+M95.300 CW	IT7672	IT8083	95-300	600
12	17JTS1.400+M185.400 CW	IT7673	IT8084	185-400	750
12	17JTS1.630+M400.630 CW	IT7931	IT8092	400-630	750
24	24JTS1.95+M16.95 CW	IT7674	IT8085	25-95	600
24	24JTS1.240+M70.240 CW	IT7675	IT8086	70-240	600
24	24JTS1.300+M95.300 CW	IT7676	IT8087	95-300	600
24	24JTS1.400+M185.400 CW	IT7677	IT8088	185-400	750
24	24JTS1.630+M400.630 CW	IT7934	IT8095	400-630*	750

\*For cross sections 500 mm<sup>2</sup> and 630 mm<sup>2</sup> the double dual wall system is used.

\*\*For cross sections above 630mm<sup>2</sup> please contact a Nexans representative

-**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)



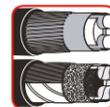
W type is supplied with standard metallic tape design and earth ferrule for copper wire screen cable.



For other cable types please contact our sales office.



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



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



Design accommodates various connector/ferrule types.



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

### SPECIFICATIONS AND STANDARDS

CENELEC HD 629.1  
IEC 60502-4



Scan for information video

# 33kV SINGLE CORE STRAIGHT JOINT

## 36JTS1 W UP TO 1200mm<sup>2</sup>

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR UNARMoured SINGLE CORE POLYMERIC CABLES WITH COPPER WIRE SCREEN

Up to U<sub>max</sub> 24 kV

### APPLICATION

**36JTS1 W** heat-shrinkable straight joints are designed for unarmoured, plastic insulated cables with Cu wire screen, supplied with mechanical connectors.

### TECHNICAL CHARACTERISTICS AND DESIGN

**36JTS** is the **NEW** high performance, compact and easy to install joint. This design uses double bodies with all the electrical functions integrated!

The Nexans **36JTS** 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 carried through the joint by one or more mechanical screen links and a tinned copper mesh tape that is wrapped over the joint.

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

All Connectors supplied are "Nexans GPH" mechanical connectors.

Um	Type	Order Code Single kit	Order Code 3x kit	Section range*	Length L
<b>kV</b>				<b>mm<sup>2</sup></b>	<b>mm</b>
36	36JTS1.95+M16.95 CW	IT7906	IT8089	25-95	600
36	36JTS1.240+M70.240 CW	IT7907	IT8090	70-240	750
36	36JTS1.300+M95.300 CW	IT7933	IT8094	95-300	750
36	36JTS1.400+M185.400 CW	IT7908	IT8091	185-400	750
36	36JTS1.630+M400.630 CW	IT7932	IT8093	400-630	1000

\*For cross sections above 630mm<sup>2</sup> please contact a Nexans representative

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



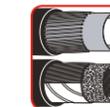
W type is supplied with standard metallic tape design and earth ferrule for copper wire screen cable.



For other cable types please contact our sales office.



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



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



Design accommodates various connector/ferrule types.



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

### SPECIFICATIONS AND STANDARDS

CENELEC HD 629.1  
IEC 60502-4

