

JTS

MV HEAT-SHRINKABLE JOINTS

CATALOGUE 2021



Nexans
BRINGS ENERGY TO LIFE

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_{max} 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.

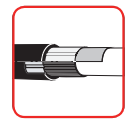
A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field and of the voltage gradient in the connector area.

The electrical continuity of the screen is ensured by a tinned copper stocking with constant force roll 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**).

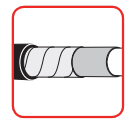
The outer sheath is restored with heavy wall adhesive lined tubing. MC types are supplied with “Nexans GPH” mechanical connectors.

Um kV	Type	Section range (mm ²)	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

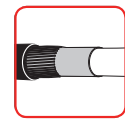
- **17JTS** type tested with BIL at 95 kV, PD at 2U_o (≤ 10 pC)
- **24JTS** type tested with BIL at 150 kV, PD at 2U_o (≤ 10 pC)



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



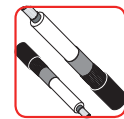
CS type is suitable both cables with copper wire / copper tape screen.



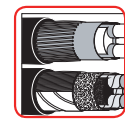
W type is supplied with standard metallic tape design and earth ferrule for copper wire screen cable.



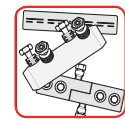
For other cable types please contact our sales office.



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.

Specifications and Standards
CENELEC HD 629.1 S2
IEC 60502-4



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_{max} 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.

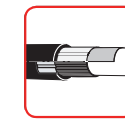
A double layer pad with conductive rubber inside and HK orange mastic outside ensure a Faraday cage and smooth the effect of the electrical field and of the voltage gradient in the connector area.

The electrical continuity of the screen is ensured by a tinned copper stocking with constant force roll 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**).

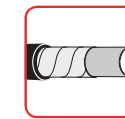
The outer sheath is restored with heavy wall adhesive lined tubing. MC types are supplied with “Nexans GPH” mechanical connectors.

Um kV	Type	Section range (mm ²)	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

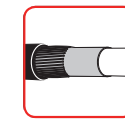
- **36JTS** type tested with BIL at 200 kV



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



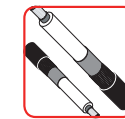
CS type is suitable both cables with copper wire / copper tape screen.



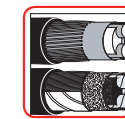
W type is supplied with standard metallic tape design and earth ferrule for copper wire screen cable.



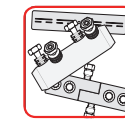
For other cable types please contact our sales office.



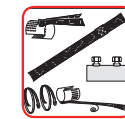
Please contact our sales office when inquiring joints for same type cables with different cross sections.



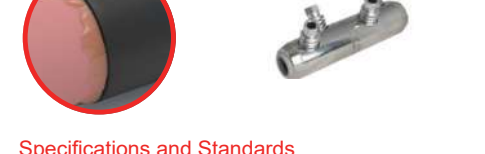
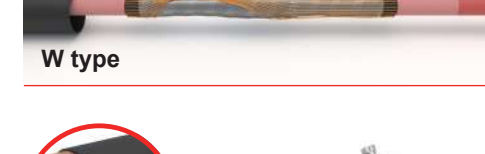
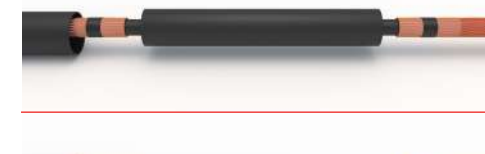
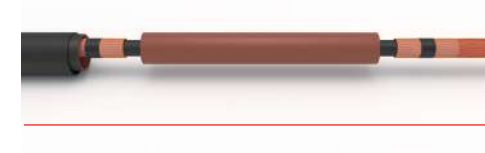
Various earth connection design solutions exist for armoring. For exact details contact our sales office.



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 S3
IEC 60502-4

17JTS1 WSK2.0 (MC) - 24JTS1 WSK2.0 (MC)

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH AL TAPE SCREEN (AHXAMK-WP)
Up to U_{max} 24 kV

APPLICATION

17-24JTS1 WSK2.0 heat-shrinkable straight joints are designed for unarmoured, plastic insulated cables with Al tape screen, to accommodate either crimped or mechanical connectors (MC).

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.

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

Wrap around sleeve, with Al foil, available upon request (**WSK3.0**).

Kit with cheese grader instead of constant force roll springs available (**WSK FC**).

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

Um kV	Type	Section range (mm ²)	Length L (mm)	DOI Insulation (mm)	DOE Outer (mm)
12/17,5	3x17JTS1.95WSK 2.0	25+95	600	12-24	20-38
12/17,5	3x17JTS1.240WSK 2.0	70+240	600	16-32	24-44
12/17,5	3x17JTS1.300WSK 2.0	95+300	750	18-34	26-48
12/17,5	3x17JTS1.400WSK 2.0	185+400	750	22-38	30-52
24	3x24JTS1.95WSK 2.0	25+95	600	16-24	24-40
24	3x24JTS1.240WSK 2.0	70+240	600	20-32	26-46
24	3x24JTS1.300WSK 2.0	95+300	750	22-38	28-52
24	3x24JTS1.400WSK 2.0	185+400	750	24-40	32-54

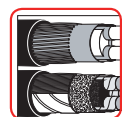
- **17JTS** type tested with BIL at 95 kV, PD at 2U_o (≤ 10 pC)
- **24JTS** type tested with BIL at 150 kV, PD at 2U_o (≤ 10 pC)



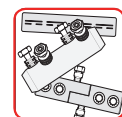
For other cable types please contact our sales office.



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.

Specifications and Standards
CENELEC HD 629.1 S2
IEC 60502-4

36JTS1 WSK2.0 (MC) - 42JTS1 WSK2.0 (MC)

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR UNARMORED SINGLE CORE POLYMERIC CABLES WITH AL TAPE SCREEN (AHXAMK-WP)
Up to U_{max} 42 kV

APPLICATION

36-42JTS1 WSK2.0 heat-shrinkable straight joints are designed for unarmoured, plastic insulated cables with Al tape screen, to accommodate either crimped or mechanical connectors (MC).

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.

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

Wrap around sleeve, with Al foil, available upon request (**WSK3.0**).

Kit with cheese grader instead of constant force roll springs available (**WSK FC**).

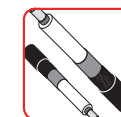
MC types are supplied with “Nexans GPH” mechanical connectors.

Um kV	Type	Section range (mm ²)	Length L (mm)	DOI Insulation (mm)	DOE Outer (mm)
36	3x36JTS1.95WSK2.0	25+95	750	18-32	32-48
36	3x36JTS1.240WSK2.0	70+240	1000	24-38	34-54
36	3x36JTS1.300WSK2.0	95+300	1000	26-40	34-58
36	3x36JTS1.400WSK2.0	185+400	1000	28-44	38-62
42	3x42JTS1.95WSK2.0	25+95	1000	20-34	34-50
42	3x42JTS1.240WSK2.0	70+420	1000	26-42	38-54
42	3x42JTS1.300WSK2.0	95+300	1000	28-46	40-60
42	3x42JTS1.400WSK2.0	185+400	1000	32-48	42-64

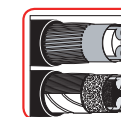
- **36JTS** type tested with BIL at 200 kV



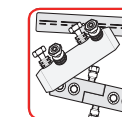
For other cable types please contact our sales office.



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 S3
IEC 60502-4

17JTS3 CW - 24JTS3 CW

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR UNARMoured THREE CORE POLYMERIC CABLES WITH COPPER WIRE OR COPPER TAPE SCREEN
Up to Umax 24 kV

APPLICATION

17-24JTS3 CW 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 with a standard metallic tape plus earthing ferrules (**CW type**) while for tape screen an additional earthing braid is provided (**AW type**).

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 (mm ²)	Length L (mm)	DOI Insulation (mm)	DOE Outer (mm)
12/17,5	17JTS3.95CW	25+95	1200	12-24	38-66
12/17,5	17JTS3.240CW	70+240	1200	16-32	46-80
12/17,5	17JTS3.300CW	95+300	1400	18-34	52-86
12/17,5	17JTS3.400CW	185+400	1400	22-38	62-94
24	24JTS3.95CW	25+95	1200	18-28	46-72
24	24JTS3.240CW	70+240	1400	20-36	48-88
24	24JTS3.300CW	95+300	1400	22-38	54-92
24	24JTS3.400CW	185+400	1600	24-40	68-96

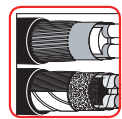
- **17JTS** type tested with BIL at 95 kV, PD at 2Uo (≤ 10 pC)
- **24JTS** type tested with BIL at 150 kV, PD at 2Uo (≤ 10 pC)



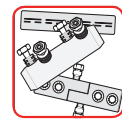
For other cable types please contact our sales office.



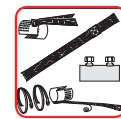
Please contact our sales office when inquiring joints for same type cables with different cross sections.



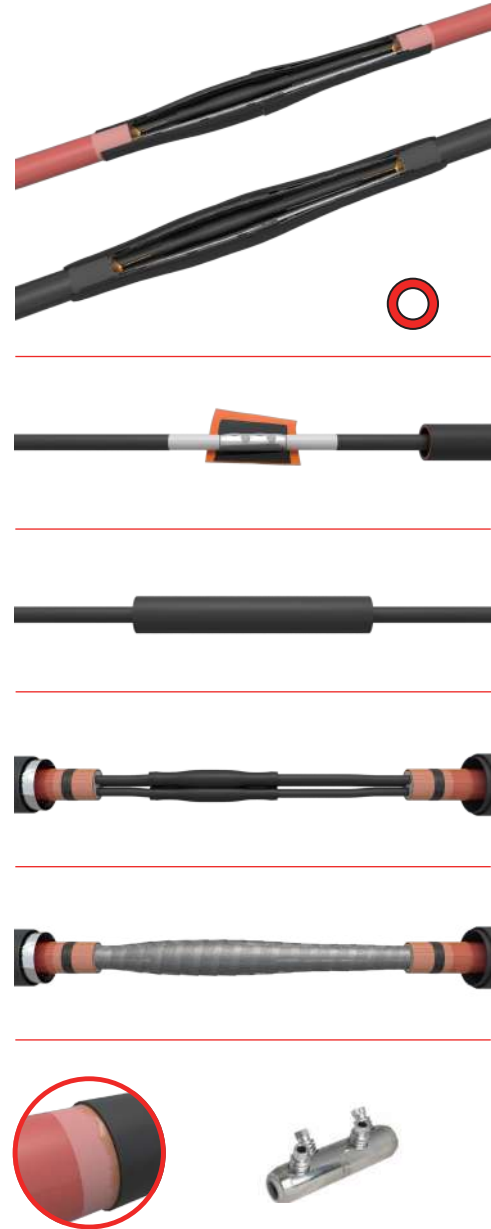
Various earth connection design solutions exist for armoring. For exact details contact our sales office.



Design accommodates various connector/ferrule types.



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



Specifications and Standards
CENELEC HD 629.1 S2
IEC 60502-4

36JTS3 CW - 42JTS3 CW

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR UNARMoured THREE CORE POLYMERIC CABLES WITH COPPER WIRE OR COPPER TAPE SCREEN
Up to Umax 42 kV

APPLICATION

36-42JTS3 CW 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 achieved with a standard metallic tape plus earthing ferrules (**CW type**) while for tape screen an additional earthing braid is provided (**AW type**).

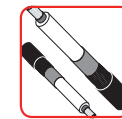
The outer sheath is restored with heavy/medium wall adhesive lined tubing. Vapor barrier protection available upon request (VS).
MC types are supplied with "Nexans GPH" mechanical connectors.

Um kV	Type	Section range (mm ²)	Length L (mm)	DOI Insulation (mm)	DOE Outer (mm)
36	36JTS3.95CW	25+95	1400	18-32	64-92
36	36JTS3.240CW	70+420	1600	24-38	66-112
36	36JTS3.300CW	95+300	1600	26-40	70-118
36	36JTS3.400CW	185+400	1800	28-44	80-132
42	42JTS3.95CW	25+95	1400	20-34	64-94
42	42JTS3.240CW	70+420	1600	26-42	66-114
42	42JTS3.300CW	95+300	1600	28-46	70-122
42	42JTS3.400CW	185+400	1800	32-48	80-136

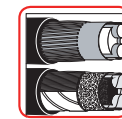
- **36JTS** type tested with BIL at 200 kV



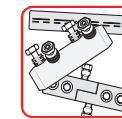
For other cable types please contact our sales office.



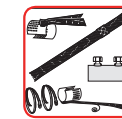
Please contact our sales office when inquiring joints for same type cables with different cross sections.



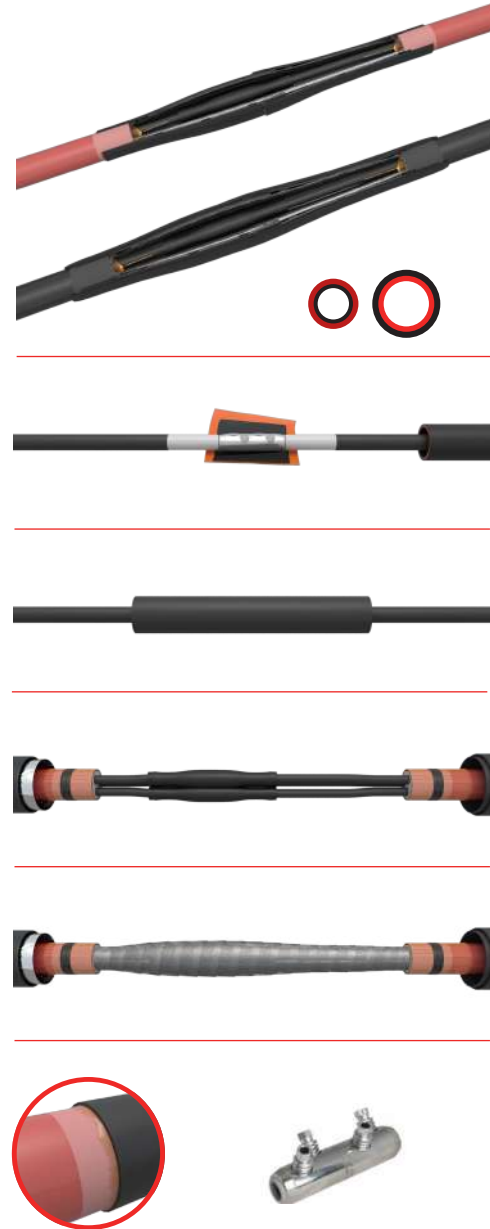
Various earth connection design solutions exist for armoring. For exact details contact our sales office.



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 S3
IEC 60502-4

17JTS3 K - 24JTS3 K

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR ARMoured THREE CORE POLYMERIC CABLES WITH COPPER WIRE OR COPPER TAPE SCREEN
Up to U_{max} 24 kV

APPLICATION

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

TECHNICAL CHARACTERISTICS AND DESIGN

17-24JTS3 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.

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.

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

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

Um kV	Type	Section range (mm ²)	Length L (mm)	DOI Insulation (mm)	DOE Outer (mm)
12/17,5	17JTS3.95K	25+95	1200	12-24	40-74
12/17,5	17JTS3.240K	70+240	1400	16-32	48-92
12/17,5	17JTS3.300K	95+300	1400	18-34	56-98
12/17,5	17JTS3.400K	185+400	1600	22-38	64-102
24	24JTS3.95K	25+95	1200	18-28	48-82
24	24JTS3.240K	70+240	1400	20-36	54-98
24	24JTS3.300K	95+300	1600	22-38	58-98
24	24JTS3.400K	185+400	1800	24-40	66-106

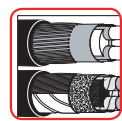
- **17JTS** type tested with BIL at 95 kV, PD at 2U_o (≤ 10 pC)
- **24JTS** type tested with BIL at 150 kV, PD at 2U_o (≤ 10 pC)



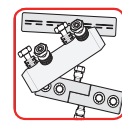
For other cable types please contact our sales office.



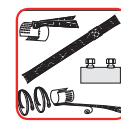
Please contact our sales office when inquiring joints for same type cables with different cross sections.



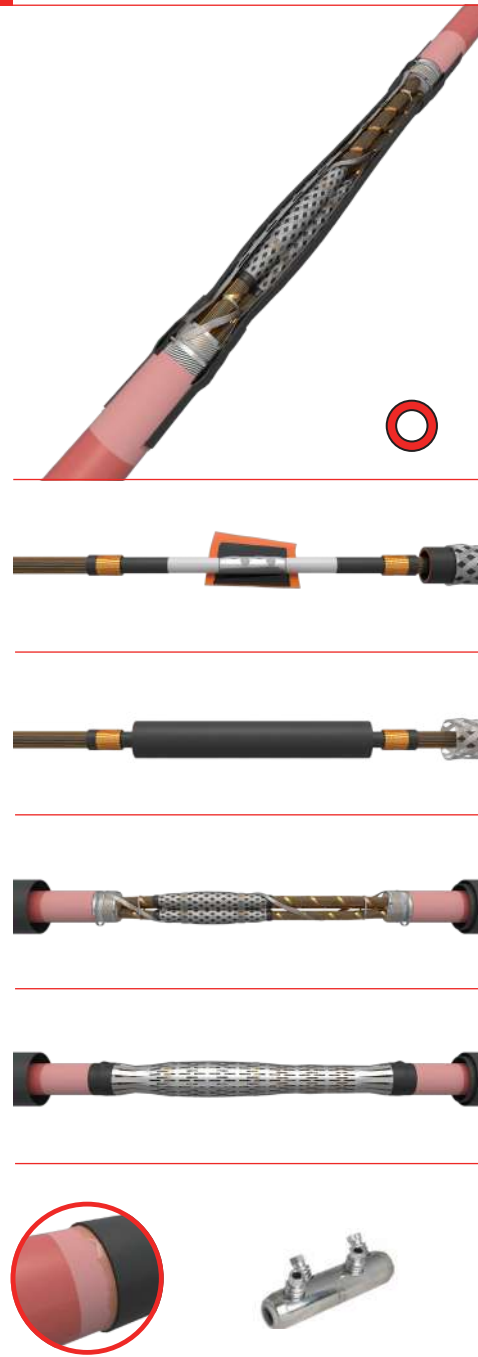
Various earth connection design solutions exist for armoring. For exact details contact our sales office.



Design accommodates various connector/ferrule types.



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



Specifications and Standards
CENELEC HD 629.1 S2
IEC 60502-4

36JTS3 K - 42JTS3 K

HEAT-SHRINKABLE MV STRAIGHT JOINTS FOR ARMoured THREE CORE POLYMERIC CABLES WITH COPPER WIRE OR COPPER TAPE SCREEN
Up to U_{max} 24 kV

APPLICATION

36-42JTS3 K heat-shrinkable straight joints are designed for armoured, 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.

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

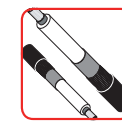
The outer sheath is restored with heavy/medium wall adhesive lined tubing. MC types are supplied with “Nexans GPH” mechanical connectors.

Um kV	Type	Section range (mm ²)	Length L (mm)	DOI Insulation (mm)	DOE Outer (mm)
36	36JTS3.95K	25+95	1400	18-32	72-96
36	36JTS3.240K	70+240	1600	24-38	78-120
36	36JTS3.300K	95+300	1950	26-40	80-132
36	36JTS3.400K	185+400	1950	28-44	84-142
42	42JTS3.95K	25+95	1400	20-34	72-96
42	42JTS3.240K	70+240	1600	26-42	78-120
42	42JTS3.300K	95+300	1950	28-46	80-132
42	42JTS3.400K	185+400	1950	32-48	84-142

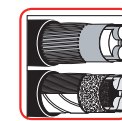
- **36JTS** type tested with BIL at 200 kV



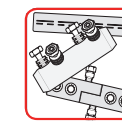
For other cable types please contact our sales office.



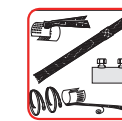
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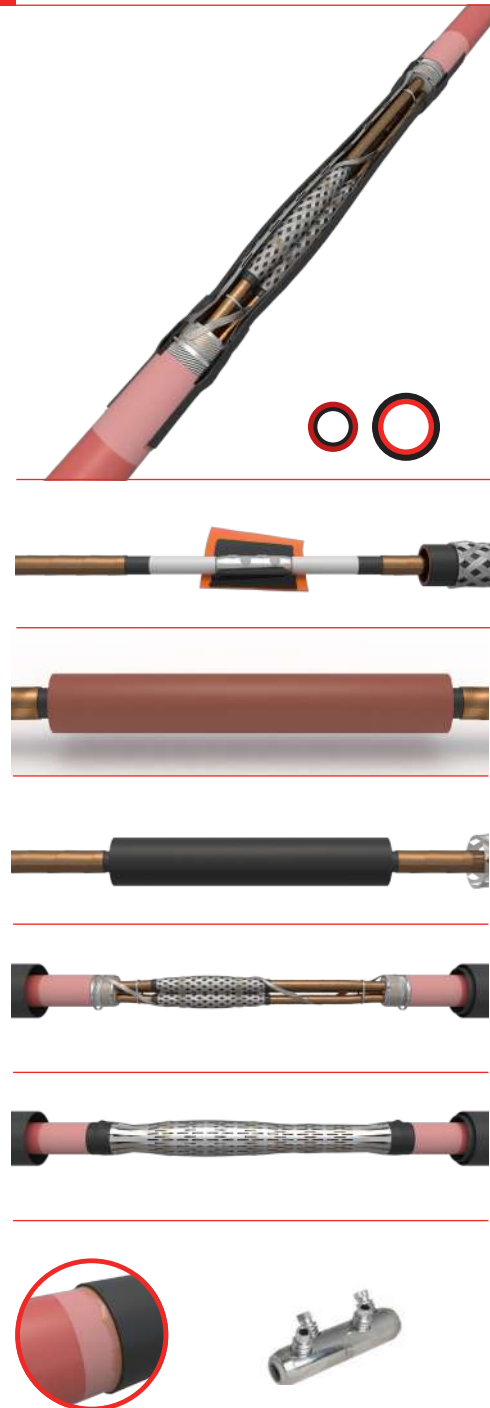
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Specifications and Standards
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