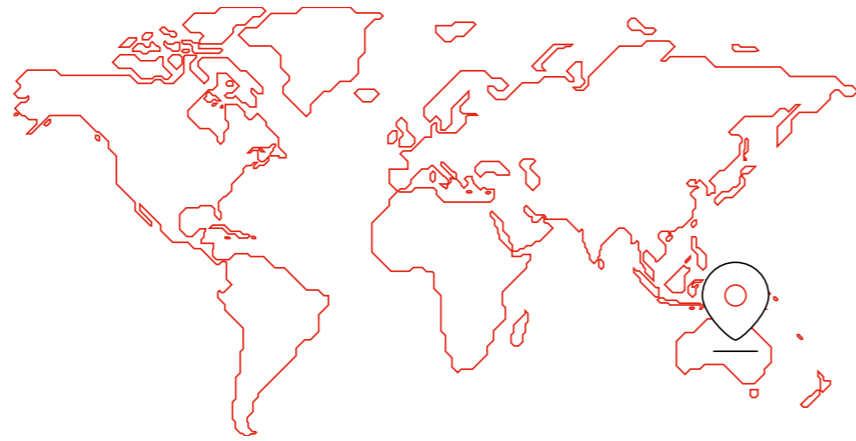


POWER ACCESSORIES
AU CATALOGUE



Nexans Inner Cone **Separable Connectors**



About Nexans Group

FOR OVER A CENTURY, NEXANS HAS PLAYED A CRUCIAL ROLE IN THE ELECTRIFICATION OF THE PLANET AND IS COMMITTED TO ELECTRIFY THE FUTURE.

The Group is leading the charge to the new world of electrification: safe, sustainable, renewable, decarbonised and accessible to everyone.

The Group is a leader in the design and manufacturing of cable systems and services across four main business areas: Building & Territories, High Voltage & Projects, Industry & Solutions and Telecom & Data.

Nexans is the first company of its industry to create a Foundation supporting sustainable initiatives bringing access to energy to disadvantaged communities worldwide. The Group pledge to contribute to carbon neutrality by 2030.

THE LIVING HISTORY OF NEXANS

Nexans is proud of its long-standing history spanning more than 120 years - 120 years of innovation, flagship projects, and international growth.

This legacy has been shaped by two remarkable figures: François Borel, a visionary inventor, and Edouard Berthoud, a pioneering industrialist.

With over a century of expertise, Nexans has never stopped building the future of electricity - and will continue to do so for years to come.

More than 120 years, three industrial revolutions... and now, a new chapter begins.

In 2019, Nexans completed the first chapter of an extraordinary industrial journey that began in the 19th century. After more than a century of achievements, bold ventures, and groundbreaking innovations, the Group is now embarking on the next phase of its history.



**INNOVATION BY NEXANS,
INNOVATIVE BY NATURE**

LEANER. SMARTER. SIMPLER.
FOR NEXANS, INNOVATION IS THE ART OF DOING THINGS BETTER FOR THE BENEFIT OF OUR CUSTOMERS AND THE COMMUNITY.

SOLUTIONS THAT CONNECT.

A comprehensive range of standard and customised accessories for low, medium, and high voltage power networks.

Our Solutions

Nexans is a leading innovator, manufacturer, and distributor of power accessories across low, medium, and high voltage applications. Our portfolio includes cable joints and terminations, connectors and bushings, junction cabinets, ferrules, lugs, and more - engineered to ensure reliable, efficient network performance.



Inner Cone Separable Connector

DTF2

Key Components

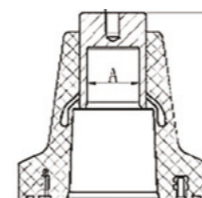
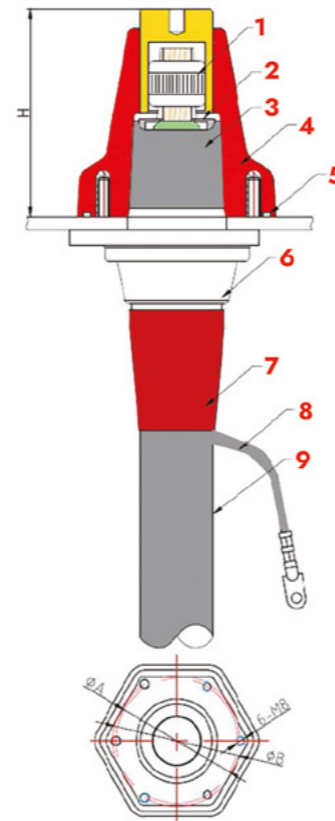
- 1 Multi-contact:** CU or Al*
 - 2 Head plate:** Al alloy
 - 3 Stress cone:** Silicone rubber
 - 4 Insulator:** EPOXY
 - 5 Sealing ring:** EPDM
 - 6 Cable gland:** Al
 - 7 Heat shrinkable sleeve:** Compound
 - 8 Earthing wires:** Cu
 - 9 Cable:** Cu/Al
- *Follow with request by Customer

Application	Applied for cable connection to switchgear or transformer up to 52kV with bushing 2# size.		
Max. voltage	kV	52	
Lightning Impulse	kV	~250	
Length	mm	~300	
Dimensions	ØA	mm	102
	ØB	mm	107
	H	mm	140
Total weight	kg	~3.5 (per phase without bushing)	
Maximum conductor	mm ²	300	
Max. diameter of insulation	mm	44.0	
Continuous current	A	800	
Standard	IEC60502, EN50180/50181, CENELEC HD629.1 S3		

Part No.	Operation Voltage	Bushing Size	Applicable range of diameter of insulation		Crossection size
	kV		Min	Max.	
3x(DTF2-1-120)CW	36	2#	29.0	33.0	120
3x(DTF2-1-150)CW	36	2#	29.0	33.0	150
3x(DTF2-1-185)CW	36	2#	29.0	33.0	185
3x(DTF2-2-240)CW	36	2#	33	36.5	240
3x(DTF2-3-300)CW	36	2#	36.5	40.0	300

Note: For example if the conductor size is 240 mm² and diameter of cable insulation is 35.5 mm, the products shall be 3x (DTF2-2-240)CW.

DTF Fitting tool required for Multi-contact.
Please contact our representative regarding use with other cable types and for final ordering code confirmation.



Application to **2#** bushing according to EN50180/50181.

Confirmation required before order.

Component

800A

Continuously

Inner Cone Separable Connector

DTF3

Key Components

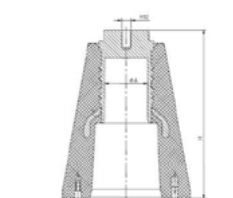
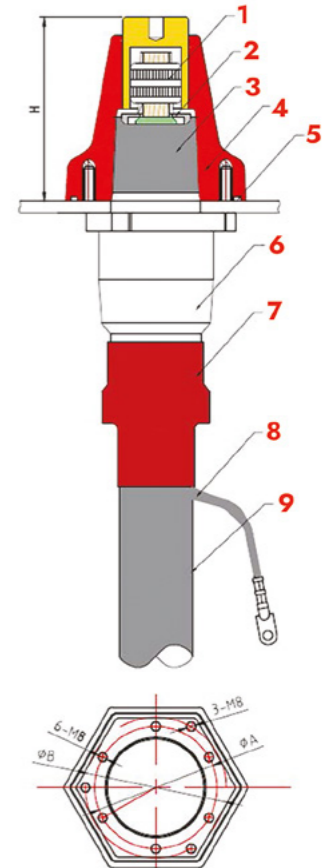
- 1 Multi-contact:** CU or Al*
 - 2 Head plate:** Al alloy
 - 3 Stress cone:** Silicone rubber
 - 4 Insulator:** EPOXY
 - 5 Sealing ring:** EPDM
 - 6 Cable gland:** Al
 - 7 Heat shrinkable sleeve:** Compound
 - 8 Earthing wires:** Cu
 - 9 Cable:** Cu/Al
- *Follow with request by Customer

Application	Applied for cable connection to switchgear or transformer up to 52kV with bushing 3# size.		
Max. voltage	kV	52	
Lightning Impulse	kV	250	
Length	mm	~450	
Dimensions	ØA	mm	113
	ØB	mm	130
	H	mm	217
Total weight	kg	~10 (per phase without bushing)	
Maximum conductor	mm ²	1000	
Max. diameter of insulation	mm	60.0	
Continuous current	A	1250	
Standard	IEC60502, EN50180/50181, CENELEC HD629.1 S3		

Part No.	Operation Voltage	Bushing Size	Applicable range of diameter of insulation		Crossection size
	kV		Min	Max.	
3x(DTF3-1-185)CW	36	3#	27.5	33.5	95-185
3x(DTF3-2-240)CW	36	3#	33.5	36.5	240
3x(DTF3-3-300)CW	36	3#	36.5	40.0	300
3x(DTF3-4-400)CW	36	3#	40.0	44.0	400
3x(DTF3-5-500)CW	36	3#	44.0	48.0	500
3x(DTF3-6-630)CW	36	3#	48.0	52.0	630
3x(DTF3-7-800)CW	36	3#	52.0	56.0	800
3x(DTF3-8-1000)CW	36	3#	56.0	60.0	1000

Note: For example if the conductor size is 120mm² and diameter of cable insulation is 32.0 mm, the products shall be 3x(DTF3-1-120)CW.

DTF Fitting tool required for Multi-contact.
Please contact our representative regarding use with other cable types and for final ordering code confirmation.



Application to **3#** bushing according to EN50180/50181.

Confirmation required before order.

Component

1250A

Continuously

Bushing and Accessories

Insulating Plug to Size 2# & 3#

Application	Insulating plug could be inserts into the size 2 & 3# bushing as an insulation part to avoid flashing when testing switchgear.	
Max.voltage	kV	52
Lightning Impulse	kV	250
Partial discharge voltage	kV	45
Max. partial discharge detected	pC	<5
AC test voltage	kV	117
AC test duration	min	5
Application bushing	/	Size 2 or 3
Standard of bushing	/	Standard of bushing



Description	Part No	Nexans Material No.
Insulating plug to size 2#	91090060KN	20770340
Insulating plug to size 3#	91090061KN	20770341

Bushing 2#

without electrical measurement point

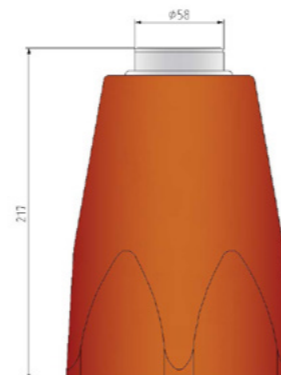
Material	EPOXY	
Max. voltage	kV	52
Lightning Impulse	kV	250
Partial discharge	kV	45<5pC
AC test voltage	kV	95/1min
Low temperature impact	°C	-40/10 times
Continuous current	A	800



Bushing 3#

without electrical measurement point

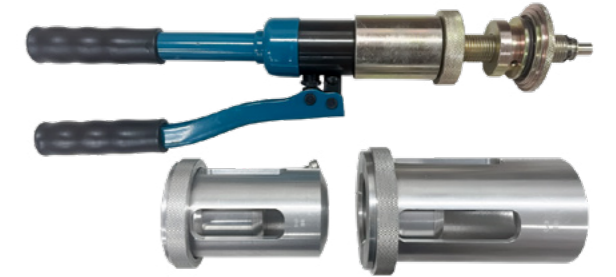
Material	EPOXY	
Max. voltage	kV	52
Lightning Impulse	kV	250
Partial discharge	kV	45<5pC
AC test voltage	kV	95/1min
Low temperature impact	°C	-40/10 times
Continuous current	A	1250



INSTALLATION TOOLING

Installation of Multi-contacts for size 2# and size 3# Inner Cone Separable Connector requires the DTF Hydraulic Crimping Fitting tool - Supplied in Metal Tool case

Description	Part No	Nexans Material No.
DTF Fitting Tool	91090062KN	20770312



Order Information

Complete cable data shall be provided with the order to ensure correct product selection and dimensional matching.

Required information:

- Conductor material (Cu or Al)
- Conductor cross-sectional area (mm²)
- Measured diameter over insulation (mm)
- Detailed cable construction (semicon type, metallic screen, sheath type)

The DTF2/DTF3 inner cone separable connector are suitable for various cable types. Final suitability and dimensional compatibility shall be subject to Nexans technical approval.

The definitive part number may differ from the reference table depending on cable design and insulation tolerances.

Order confirmation will be issued following technical verification.

For non-standard cable constructions or applications outside the specified ranges, consultation with Nexans is mandatory.



Solutions & Expertise

Nexans Value Add System Solutions



ANZ Sustainability Report

The Nexans ANZ Sustainability Report 2025, where we highlight our Environmental Performance, Sustainable Innovations, and progress towards a more sustainable electrification.

The report reflects on the remarkable journey we've taken together - thanks to the dedication of our people, partners and community. We remain deeply committed to our strategy to be Net Zero by 2050 by fostering a culture of sustainability and driving innovative solutions that benefit not only our business, but also the world around us.

BESS Solutions

Nexans Battery Energy Storage System (BESS) solutions provide a comprehensive range of fully compliant MV, LVDC, LVAC, Earthing, and Fibre Optic cables, along with related accessories.

Additionally, Nexans offers pre-terminated cable assemblies on specialised drums, designed for easy, single-person unreeling and installation an innovative approach that enhances efficiency, reduces installation time and costs, and helps mitigate project installation risks.



Solar Solutions

Nexans can offer a complete range of cable solutions no matter the design philosophy of the Solar engineers. Photo Voltaic cable (PV), AC or DC cable for either of above or below ground installation, along with an extensive range of Medium Voltage cables to any design and Voltage required.



Wind Solutions

The Nexans Wind solution encompasses the complete electrical reticulation cable and accessory system, from the turbine tower to the substation. The implementation of Nexans' solution is driven by years of local experience and application knowledge, a sustainable solution focused on safety, compliance and project timelines. Our cable offer covers Medium Voltage cable, earthing and Fibre optic solutions all back by local manufacturing excellence. This range is rounded off with an extensive range of termination and jointing solutions to fit the dynamics of the wind energy demands.

Nexans Power Accessories

Nexans offer a range of LV, MV & LHV cable accessories with over 40 years experience supplying high quality terminations, joints, clamps and connectors to Power Utilities, OEM's, Contractors, Renewable Energy, Infrastructure, Data Centre and Resources Markets.

Connectors



EPDM Rubber

From 10 kV to 72 kV -
25 mm² to 1200 mm²

Joints



Heatshrink - Coldshrink

From LV to 72 kV -
1.5 mm² to 1200 mm²

Terminations



Heatshrink - Coldshrink - Slip On

From 10 kV to 72 kV -
25 mm² to 1200 mm²

MV Surge Arrestors



Interface "C"

11 kV- 42 kV
Ur (kV) 6 to 51

Mechanical Links



Mechanical Shear Off

From LV to 52 kV -
1.5 mm² to 1200 mm²

Mechanical Lugs



Mechanical Shear Off

From LV to 52 kV -
1.5 mm² to 1200 mm²

Cable Cleats



316 Stainless Steel

From LV to 72 kV
Single/Tri 13 mm - 130 mm

Cable Clamps



Black Polyamide

From LV to 72 kV
Single/Tri 15 mm - 170 mm

Cable Leads



Testing options - Megger - HiPot - Partial Discharge

From LV to 72 kV -
1.5 mm² to 1200 mm²

Value Add Solutions

We also offer custom cable leads, cable preparation tooling, testing, technical publications on the theory and installation of accessories as well as product awareness workshops and certified training on our products.



Nexans Cable Management

Cable Clamps / Cleats

A wide range of cable supporting and retaining solutions are now available for LV/MV/HV single and trefoil conductor cable. The product range is tested to IEC61914 and includes polyamide fibreglass-reinforced cable clamps and blocks as well as stainless 316L steel cable cleats. We also recommend solutions on product selection, fixtures and mounting.



MV Cable Preparation Tooling

Nexans can provide expert advice on selecting the right tools for your needs. As specialists in the field, we understand the cable preparation and fixing solutions required by jointers and engineers, allowing us to assist you in choosing the correct tooling.

In addition to individual tools, Nexans offers the new MV Professional Jointers tool kit. This kit includes a curated selection of tools used by our jointer trainers, supplied in a durable black utility hard case with high-density foam cut-outs to protect the tools, ensuring longevity.



72kV Training Centre & Test Lab

- Theoretical Training
- Practical Training
- Examination

Our training centre is fully equipped to provide training for jointers and engineers on all aspects of MV & LHV cable accessories. Courses cover various cable constructions, cable preparation plus the installation of heatshrink/cold-shrink and slip-on terminations, separable connectors and joints, including our Underground Junction Chamber. Testing options in our local test lab include Megger, HiPot and Partial Discharge.

POWER ACCESSORIES

AU CATALOGUE

**WE DELIVER THE BEST SOLUTIONS
TO SUPPORT YOUR PROJECT NEEDS**

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