

# Технические характеристики

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# MfF VASMI - Sleeve for telephone cable



## MfF

Connection and branch sleeve for telecommunication cables. For connecting telecommunication cables and producing cable branch lines for telecommunication cables.

## Application

- Outdoors
- Indoors
- Underground
- Water

## Properties

- high electrical insulation values
- water-tight and moisture-protected
- good mechanical strength
- highly resistant to UV radiation, earth alkalis and chemical influences
- with temperature indicator colour
- suitable for cut and uncut cables
- dismantlable
- unlimited storage

## Scope of delivery

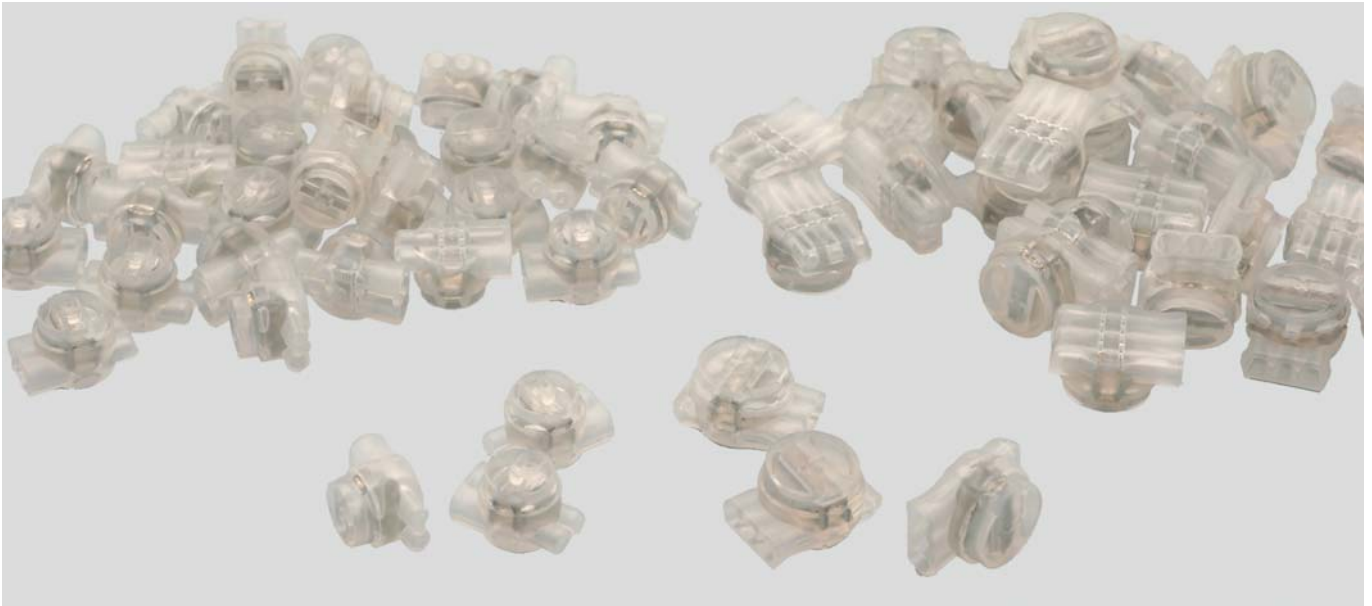
- shield bonding lead with special clamp
- desiccant
- protection inlay
- flame protection film
- shrink-on sleeve
- insulating band
- cleaning agent
- sanding
- assembly instruction

Part no.	Type	Length mm	Cable Ø from - to mm	Spliced with core connectors 0,4 mm Number of two cores	Spliced with core connectors 0,6 mm Number of two cores	Spliced with core connectors 0,8 mm Number of two cores	Net EUR/item at a purchase of		
							1	2 - 5	6 - 10
94330	VASMI 1 SRT	330	8,0 - 35,0	30	20	10	o. r.	o. r.	o. r.
94331	VASMI 1/L SRT	390	8,0 - 35,0	70	40	20	o. r.	o. r.	o. r.
94332	VASMI 2 SRT	380	15,0 - 55,0	100	50	30	o. r.	o. r.	o. r.
94333	VASMI 2/L SRT	450	15,0 - 55,0	150	100	50	o. r.	o. r.	o. r.
94334	VASMI 3 SRT	400	25,0 - 68,0	150	100	70	o. r.	o. r.	o. r.
94335	VASMI 3/L SRT	500	25,0 - 68,0	200	200	100	o. r.	o. r.	o. r.
94336	VASMI 4 SRT	430	28,0 - 94,0	200	200	150	o. r.	o. r.	o. r.
94337	VASMI 5 SRT	600	28,0 - 94,0	400	300	200	o. r.	o. r.	o. r.
94338	VASMI 6 SRT	725	34,0 - 101,0	600	500	300	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# AV Core connectors for communication and signal cables



## AV core connectors

Core connectors type **AV** connect plastic-insulated telecommunication and signal cable cores. They are characterised by their space-saving and assembly-friendly structure. Satisfy the requirements of DIN 47627 (solder-free core connections in sleeves for telecommunication cables).

When clamping with the **AVZ** tool, the vertical forces are transferred evenly to the core connectors, thus guaranteeing reliable contacting of the copper wires to be processed.

## Properties

- high electrical insulation values
- high mechanical and thermal strength
- impact-proof plastic housing
- corrosion protection through grease charge
- improved contacting through U-contact principle
- core diameters up to 2.0 mm possible
- larger application range from 0.4 - 0.9 mm conductor diameter
- stripping, connection and insulation in one action

## Scope of delivery

Colour: transparent

## Note

The parallel-clamping core binding pliers or equivalent are suitable for flush clamping core connectors.

Use core connection pliers AVZ or equal tool.

### AV core connectors

Part no.	Type	No. cores	Conductor Ø from - to mm	Unit	Net EUR/ 100 items at a purchase of		
					up to 500	501 - 1000	1001 - 5000
93147	AV2	2	0,4 - 0,9	100	o. r.	o. r.	o. r.
93148	AV3	3	0,4 - 0,9	100	o. r.	o. r.	o. r.
93149	AVT3	3	0,4 - 0,9	100	o. r.	o. r.	o. r.

### AVZ core connecting pliers

Part no.	Type	No. cores	Conductor Ø from - to mm	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
93150	AVZ	-	-	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# NSVM-S Low voltage heat-shrinkable straight joint

Single core



## NSVM-S (single-core straight joint)

Straight joint for single-core plastic-insulated power cables to 0.6/1(1.2)kV, universal applications for connecting cables and wires made of PVC, PE and VPE, e.g. N(A)YY, N(A)2XY, NYM, NYY.

### Application

- Interior
- Outdoors
- Underground
- Water

### Properties

- halogen-free
- high electrical insulation values
- laterally water-tight
- good mechanical strength
- compact dimensions
- unlimited storage
- large wire and cable cross-sections
- highly resistant to chemical influences, alkaline earths and UV radiation

### Scope of delivery

- inner seal
- outer seal
- illustrated assembly instruction

### Test

According to CENELEC HD 623 (VDE0278,Part623)

### Single core

Part no.	Type	Nominal voltage U <sub>o</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
93890	NSVM-S1	0.6/1kV	1x 10,0 - 1x 25,0	1	o. r.	o. r.	o. r.
93891	NSVM-S1	0.6/1kV	1x 35,0 - 1x 70,0	1	o. r.	o. r.	o. r.
93892	NSVM-S1	0.6/1kV	1x 95,0 - 1x 240,0	1	o. r.	o. r.	o. r.
93893	NSVM-S1	0.6/1kV	1x 150,0 - 1x 300,0	1	o. r.	o. r.	o. r.
93894	NSVM-S1	0.6/1kV	1x 300,0 - 1x 500,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# NSVM-S Low voltage heat-shrinkable straight joint

Multi core



## NSVM-S (multi-core straight joint)

Straight joint for multi-core plastic-insulated power cables to 0.6/1(1.2)kV, universal applications for connecting cables and wires from PVC, PE and VPE, e.g. N(A)YY, N(A)2XY, N(A)YCWY, NYM, NYY.

### Application

- Indoors
- Outdoors
- Underground
- Water

### Properties

- halogen-free
- high electrical insulation values
- laterally water-tight
- good mechanical strength
- compact dimensions
- unlimited storage
- large wire and cable cross-sections
- highly resistant to chemical influences, earth alkalis and UV radiation

### Scope of delivery

- inner seal
- outer seal
- illustrated assembly instruction

### Test

According to CENELEC HD 623 (VDE0278,Part623)

### Multiple core

Part no.	Type	Nominal voltage Uo/U(Um)	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
94400	NSVM-S3	0.6/1kV	3x 1,5 - 3x 16,0	1	o. r.	o. r.	o. r.
94401	NSVM-S3	0.6/1kV	3x 6,0 - 3x 25,0	1	o. r.	o. r.	o. r.
94402	NSVM-S3	0.6/1kV	3x 25,0 - 3x 70,0	1	o. r.	o. r.	o. r.
94403	NSVM-S3	0.6/1kV	3x 95,0 - 3x 150,0	1	o. r.	o. r.	o. r.
94404	NSVM-S3	0.6/1kV	3x 185,0 - 3x 300,0	1	o. r.	o. r.	o. r.
93382	NSVM-S4	0.6/1kV	4x 1,5 - 4x 6,0	1	o. r.	o. r.	o. r.
93388	NSVM-S4	0.6/1kV	4x 1,5 - 4x 16,0	1	o. r.	o. r.	o. r.
93383	NSVM-S4	0.6/1kV	4x 6,0 - 4x 25,0	1	o. r.	o. r.	o. r.
93384	NSVM-S4	0.6/1kV	4x 16,0 - 4x 50,0	1	o. r.	o. r.	o. r.
93385	NSVM-S4	0.6/1kV	4x 25,0 - 4x 95,0	1	o. r.	o. r.	o. r.
93386	NSVM-S4	0.6/1kV	4x 25,0 - 4x 150,0	1	o. r.	o. r.	o. r.
93389	NSVM-S4	0.6/1kV	4x 95,0 - 4x 300,0	1	o. r.	o. r.	o. r.
94405	NSVM-S5	0.6/1kV	5x 1,5 - 5x 6,0	1	o. r.	o. r.	o. r.
94406	NSVM-S5	0.6/1kV	5x 1,5 - 5x 10,0	1	o. r.	o. r.	o. r.
94407	NSVM-S5	0.6/1kV	5x 1,5 - 5x 16,0	1	o. r.	o. r.	o. r.
94408	NSVM-S5	0.6/1kV	5x 16,0 - 5x 25,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# NSVM-S E90 Low voltage heat-shrinkable straight joint



## NSVM-S E90

Flame-resistant heat-shrinkable low-voltage connecting sleeve. For connection type (N)HX(HX) and (N)HXCHX safety cables wherever specified.

## Application

Power stations, tunnels, airports, elevators, stairways etc.

## Properties

- flame-resistant
- halogen-free
- very low flue gas
- self-extinguishing
- suitable for all installation types

## Scope of delivery

- inner seal
- insulation tube
- outer seal
- illustrated assembly instruction

## Test

DIN4102, part 12,  
draft february 1996 (E90)  
DIN VDE 0472, part 814 (FE 180)  
IEC 332

### For cable type (N) HXHX

Part no.	Type	Nominal voltage U <sub>0</sub> /U <sub>(Um)</sub>	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
94460	NSVM-SE4	0.6/1kV	4x 1,5 - 4x 4,0	1	o. r.	o. r.	o. r.
94461	NSVM-SE4	0.6/1kV	4x 6,0 - 4x 10,0	1	o. r.	o. r.	o. r.
94462	NSVM-SE4	0.6/1kV	4x 16,0 - 4x 25,0	1	o. r.	o. r.	o. r.
94463	NSVM-SE4	0.6/1kV	4x 35,0 - 4x 50,0	1	o. r.	o. r.	o. r.
94464	NSVM-SE4	0.6/1kV	4x 70,0 - 4x 95,0	1	o. r.	o. r.	o. r.
94465	NSVM-SE4	0.6/1kV	4x 120,0 - 4x 150,0	1	o. r.	o. r.	o. r.
94466	NSVM-SE4	0.6/1kV	4x 185,0 - 4x 240,0	1	o. r.	o. r.	o. r.
94467	NSVM-SE5	0.6/1kV	5x 1,5 - 5x 4,0	1	o. r.	o. r.	o. r.
94468	NSVM-SE5	0.6/1kV	5x 6,0 - 5x 10,0	1	o. r.	o. r.	o. r.
94469	NSVM-SE5	0.6/1kV	5x 16,0 - 5x 25,0	1	o. r.	o. r.	o. r.

### For cable type (N) HXCHX

Part no.	Type	Nominal voltage U <sub>0</sub> /U <sub>(Um)</sub>	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
94470	NSVM-SE4/1	0.6/1kV	4x 1,5 / 1,5 - 4x 4,0 / 4,0	1	o. r.	o. r.	o. r.
94471	NSVM-SE4/1	0.6/1kV	4x 6,0 / 6,0 - 4x 10,0 / 10,0	1	o. r.	o. r.	o. r.
94472	NSVM-SE4/1	0.6/1kV	4x 16,0 / 16,0 - 4x 25,0 / 16,0	1	o. r.	o. r.	o. r.
94473	NSVM-SE4/1	0.6/1kV	4x 35,0 / 16,0 - 4x 50,0 / 25,0	1	o. r.	o. r.	o. r.
94474	NSVM-SE4/1	0.6/1kV	4x 70,0 / 35,0 - 4x 95,0 / 50,0	1	o. r.	o. r.	o. r.
94475	NSVM-SE4/1	0.6/1kV	4x 120,0 / 70,0 - 4x 150,0 / 70,0	1	o. r.	o. r.	o. r.
94476	NSVM-SE4/1	0.6/1kV	4x 185,0 / 95,0 - 4x 240,0 / 120,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# MSVM-S Medium voltage heat-shrinkable straight joint

Single core



## MSVM-S

Medium voltage connection sleeve for connecting all single-core plastic power cables with external conductor layer up to 18/30(36)kV.

For connecting cables with different cross-sections, conductor materials and cable designs with regard to external conductor layer and sheathing.

## Properties

- safe field effect
- simple assembly
- large cross-sections
- unlimited conductivity
- immediately operational

## Scope of delivery

- packing unit: 1
- two suspensible silicon control elements
- field effect filler tape (blue)
- thick-walled heat shrink tube
- copper fabric shielding
- heat shrink tube as oversheath
- assembly instruction

## Single core

Part no.	Type	Nominal voltage U <sub>0</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Diameter from - to mm	Unit	Net EUR/item at a purchase of		
						1	2 - 5	6 - 10
93107	MSVM-S12/1	6/10kV	35,0 - 95,0	13,2 - 20,0	1	o. r.	o. r.	o. r.
93108	MSVM-S12/1	6/10kV	95,0 - 240,0	18,2 - 25,0	1	o. r.	o. r.	o. r.
93109	MSVM-S12/1	6/10kV	150,0 - 300,0	20,9 - 35,0	1	o. r.	o. r.	o. r.
93110	MSVM-S12/1	6/10kV	300,0 - 400,0	28,6 - 45,0	1	o. r.	o. r.	o. r.
93111	MSVM-S12/1	6/10kV	500,0 - 800,0	28,6 - 60,0	1	o. r.	o. r.	o. r.
93117	MSVM-S24/1	12/20kV	10,0 - 35,0	13,2 - 15,0	1	o. r.	o. r.	o. r.
93118	MSVM-S24/1	12/20kV	50,0 - 150,0	18,2 - 25,0	1	o. r.	o. r.	o. r.
93119	MSVM-S24/1	12/20kV	70,0 - 240,0	20,9 - 30,0	1	o. r.	o. r.	o. r.
93120	MSVM-S24/1	12/20kV	150,0 - 300,0	24,2 - 35,0	1	o. r.	o. r.	o. r.
93379	MSVM-S24/1	12/20kV	400,0 - 630,0	28,6 - 45,0	1	o. r.	o. r.	o. r.
93398	MSVM-S24/1	12/20kV	630,0 - 1000,0	28,6 - 45,0	1	o. r.	o. r.	o. r.
93121	MSVM-S36/1	18/30kV	35,0 - 70,0	20,9 - 18,0	1	o. r.	o. r.	o. r.
93122	MSVM-S36/1	18/30kV	50,0 - 150,0	24,2 - 25,0	1	o. r.	o. r.	o. r.
93123	MSVM-S36/1	18/30kV	150,0 - 300,0	28,6 - 35,0	1	o. r.	o. r.	o. r.
93124	MSVM-S36/1	18/30kV	300,0 - 500,0	28,6 - 45,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# MSVM-S Medium voltage heat-shrinkable straight joint

Triple core



## MSVM-S

Medium voltage connection sleeve for connecting all 3-core plastic power cables with external conductor layer up to 18/30(36)kV. For connecting cables with differing cross-sections, conductor materials and cable designs with regard to external conductor layer and sheathing.

Special solutions enable a 3-core plastic power cable to be connected to 3 single-core plastic power cables.

## Properties

- safe field effect
- simple assembly
- large cross-sections
- unlimited conductivity
- immediately operational

## Scope of delivery

- packing unit: 1
- two suspensible silicon control elements
- field effect filler tape (blue)
- thick-walled heat shrink tube
- copper fabric shielding
- heat shrink tube as overshooth
- assembly instruction

## Triple core

Part no.	Type	Nominal voltage U <sub>0</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Diameter from - to mm	Unit	Net EUR/item at a purchase of		
						1	2 - 5	6 - 10
93135	MSVM-S12/3	6/10kV	3x 10,0 - 3x 25,0	13,2 - 20,0	1	o. r.	o. r.	o. r.
93136	MSVM-S12/3	6/10kV	3x 35,0 - 3x 95,0	18,2 - 25,0	1	o. r.	o. r.	o. r.
93137	MSVM-S12/3	6/10kV	3x 95,0 - 3x 240,0	20,9 - 35,0	1	o. r.	o. r.	o. r.
93142	MSVM-S24/3	12/20kV	3x 10,0 - 3x 35,0	13,2 - 15,0	1	o. r.	o. r.	o. r.
93143	MSVM-S24/3	12/20kV	3x 50,0 - 3x 150,0	18,2 - 25,0	1	o. r.	o. r.	o. r.
93144	MSVM-S24/3	12/20kV	3x 70,0 - 3x 240,0	20,9 - 30,0	1	o. r.	o. r.	o. r.
93145	MSVM-S24/3	12/20kV	3x 150,0 - 3x 300,0	24,2 - 35,0	1	o. r.	o. r.	o. r.
93186	MSVM-S36/3	18/30kV	3x 35,0 - 3x 70,0	20,9 - 18,0	1	o. r.	o. r.	o. r.
93187	MSVM-S36/3	18/30kV	3x 50,0 - 3x 150,0	24,2 - 25,0	1	o. r.	o. r.	o. r.
93188	MSVM-S36/3	18/30kV	3x 150,0 - 3x 300,0	28,6 - 35,0	1	o. r.	o. r.	o. r.

## Triple core - special solutions

Part no.	Type	Nominal voltage U <sub>0</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Diameter from - to mm	Unit	Net EUR/item at a purchase of		
						1	2 - 5	6 - 10
93138	MSVM-S12/3 S	6/10kV	3x 35,0 - 3x 70,0	13,2 - 20,0	1	o. r.	o. r.	o. r.
93139	MSVM-S12/3 S	6/10kV	3x 95,0 - 3x 150,0	18,2 - 25,0	1	o. r.	o. r.	o. r.
93140	MSVM-S12/3 S	6/10kV	3x 185,0 - 3x 300,0	20,9 - 35,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request



# IREV-S Indoor termination, shrink type



## IREV-S

Interior end seals for all single-conductor and three-conductor.

Medium voltage plastic cables with layers and screen designs up to 18/30(36)kV.

## Properties

- safe field effect
- simple assembly
- wide application range
- excellent external layer behaviour
- unlimited conductivity
- immediately operational

## Scope of delivery

- packing unit: 1
- suspensible silicon control element
- sealing band
- creeping current resistant, weather-proof heat shrink tube
- assembly instruction
- suspensible silicone sheds

## Note

- An additional earthing kit is required for cables with copper sheath.
- Without terminals.
- 1 unit = 1 set with 3 items.

## Single core

Part no.	Type	Nominal voltage U <sub>o</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
93190	IREV-S12/1	6/10kV	10,0 - 25,0	1	o. r.	o. r.	o. r.
93191	IREV-S12/1	6/10kV	25,0 - 95,0	1	o. r.	o. r.	o. r.
94420	IREV-S12/1	6/10kV	95,0 - 240,0	1	o. r.	o. r.	o. r.
93192	IREV-S12/1	6/10kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
93193	IREV-S12/1	6/10kV	240,0 - 500,0	1	o. r.	o. r.	o. r.
94421	IREV-S12/1	6/10kV	400,0 - 800,0	1	o. r.	o. r.	o. r.
94422	IREV-S12/1	6/10kV	800,0 - 1000,0	1	o. r.	o. r.	o. r.
94423	IREV-S24/1	12/20kV	10,0 - 35,0	1	o. r.	o. r.	o. r.
93194	IREV-S24/1	12/20kV	25,0 - 150,0	1	o. r.	o. r.	o. r.
93195	IREV-S24/1	12/20kV	70,0 - 240,0	1	o. r.	o. r.	o. r.
93196	IREV-S24/1	12/20kV	120,0 - 300,0	1	o. r.	o. r.	o. r.
93197	IREV-S24/1	12/20kV	240,0 - 500,0	1	o. r.	o. r.	o. r.
94424	IREV-S24/1	12/20kV	630,0 - 1000,0	1	o. r.	o. r.	o. r.
93198	IREV-S36/1	18/30kV	35,0 - 70,0	1	o. r.	o. r.	o. r.
94425	IREV-S36/1	18/30kV	50,0 - 150,0	1	o. r.	o. r.	o. r.
93199	IREV-S36/1	18/30kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
93200	IREV-S36/1	18/30kV	500,0 - 800,0	1	o. r.	o. r.	o. r.

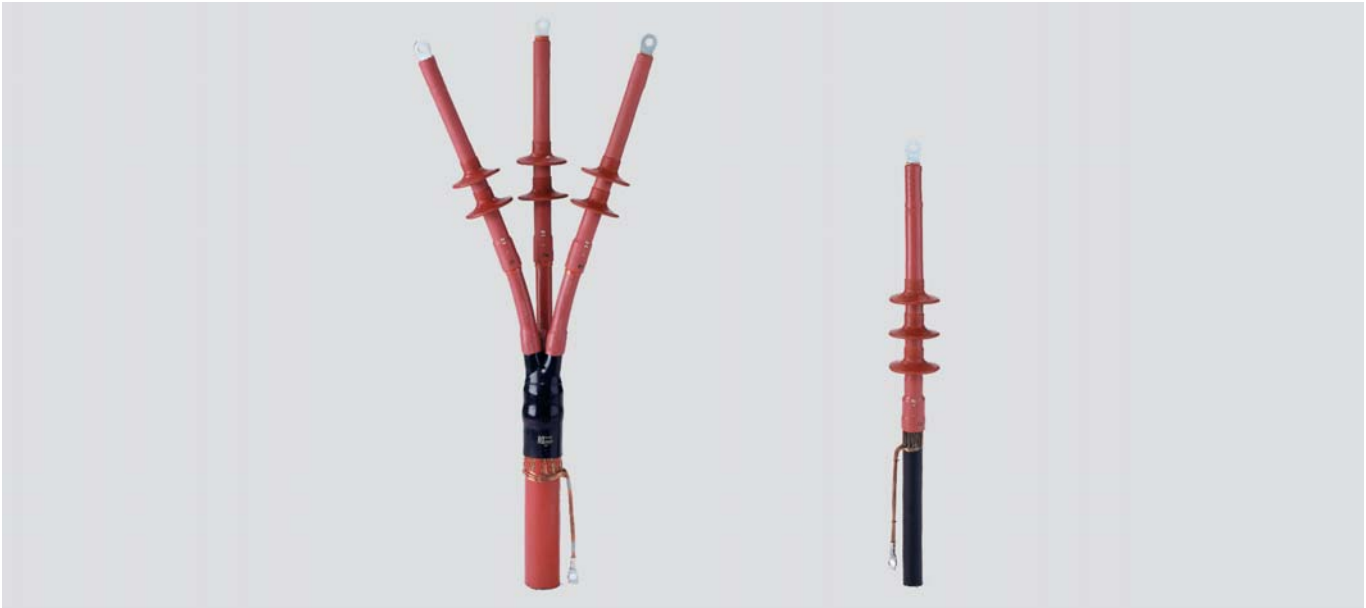
## 3-core

Part no.	Type	Nominal voltage U <sub>o</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
94435	IREV-S12/3	6/10kV	10,0 - 25,0	1	o. r.	o. r.	o. r.
93201	IREV-S12/3	6/10kV	25,0 - 95,0	1	o. r.	o. r.	o. r.
93202	IREV-S12/3	6/10kV	95,0 - 240,0	1	o. r.	o. r.	o. r.
93203	IREV-S12/3	6/10kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
94436	IREV-S24/3	12/20kV	10,0 - 35,0	1	o. r.	o. r.	o. r.
94437	IREV-S24/3	12/20kV	25,0 - 95,0	1	o. r.	o. r.	o. r.
94438	IREV-S24/3	12/20kV	70,0 - 240,0	1	o. r.	o. r.	o. r.
94439	IREV-S24/3	12/20kV	120,0 - 300,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# FLEV-S Outdoor termination, shrink type



## FLEV-S

Outside end seals for all single-conductor and three-conductor medium voltage plastic cables with layers and screen designs up to 18/30(36)kV.

## Properties

- safe field effect
- simple assembly
- wide application range
- excellent external layer behaviour
- unlimited conductivity
- immediately operational

## Scope of delivery

- packing unit: 1
- suspensible silicon control element
- sealing band
- creeping current resistant, weather-proof heat shrink tube
- assembly instruction
- suspensible silicone sheds

## Note

- An additional earthing kit is required for cables with copper sheath.
- Without terminals.
- 1 unit = 1 set with 3 items.

## Single core

Part no.	Type	Nominal voltage U <sub>0</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
93360	FLEV-S12/1	6/10kV	10,0 - 25,0	1	o. r.	o. r.	o. r.
93361	FLEV-S12/1	6/10kV	25,0 - 95,0	1	o. r.	o. r.	o. r.
94426	FLEV-S12/1	6/10kV	95,0 - 240,0	1	o. r.	o. r.	o. r.
93362	FLEV-S12/1	6/10kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
93363	FLEV-S12/1	6/10kV	240,0 - 500,0	1	o. r.	o. r.	o. r.
94427	FLEV-S12/1	6/10kV	400,0 - 800,0	1	o. r.	o. r.	o. r.
94428	FLEV-S12/1	6/10kV	800,0 - 1000,0	1	o. r.	o. r.	o. r.
94429	FLEV-S24/1	12/20kV	10,0 - 35,0	1	o. r.	o. r.	o. r.
93364	FLEV-S24/1	12/20kV	25,0 - 150,0	1	o. r.	o. r.	o. r.
93365	FLEV-S24/1	12/20kV	70,0 - 240,0	1	o. r.	o. r.	o. r.
93366	FLEV-S24/1	12/20kV	120,0 - 300,0	1	o. r.	o. r.	o. r.
93380	FLEV-S24/1	12/20kV	240,0 - 500,0	1	o. r.	o. r.	o. r.
94430	FLEV-S24/1	12/20kV	630,0 - 1000,0	1	o. r.	o. r.	o. r.
93367	FLEV-S36/1	18/30kV	35,0 - 70,0	1	o. r.	o. r.	o. r.
93368	FLEV-S36/1	18/30kV	50,0 - 150,0	1	o. r.	o. r.	o. r.
93369	FLEV-S36/1	18/30kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
93370	FLEV-S36/1	18/30kV	500,0 - 800,0	1	o. r.	o. r.	o. r.

## 3-core

Part no.	Type	Nominal voltage U <sub>0</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
94443	FLEV-S12/3	6/10kV	10,0 - 25,0	1	o. r.	o. r.	o. r.
93371	FLEV-S12/3	6/10kV	25,0 - 95,0	1	o. r.	o. r.	o. r.
93372	FLEV-S12/3	6/10kV	95,0 - 240,0	1	o. r.	o. r.	o. r.
93373	FLEV-S12/3	6/10kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
94444	FLEV-S24/3	12/20kV	10,0 - 35,0	1	o. r.	o. r.	o. r.
94445	FLEV-S24/3	12/20kV	25,0 - 95,0	1	o. r.	o. r.	o. r.
94446	FLEV-S24/3	12/20kV	70,0 - 240,0	1	o. r.	o. r.	o. r.
94447	FLEV-S24/3	12/20kV	120,0 - 300,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# MSVM-A Medium voltage straight-joint with slip-on method

Single core



## MSVM-A

Medium voltage straight-joint with slip-on method for connecting single-core plastic power cables up to 12/20(24)kV. For connecting cables with differing cross-sections, conductor materials and cable designs with regard to external conductor layer and shielding.

## Properties

- quick and simple assembly
- large cross-sections
- unlimited conductivity
- immediately operational

## Scope of delivery

- packing unit: 1
- two suspensible silicon control elements
- one-piece silicon insulating body with integrated conductor smoothing
- thick-walled heat shrink tube
- copper fabric shielding
- assembly instruction

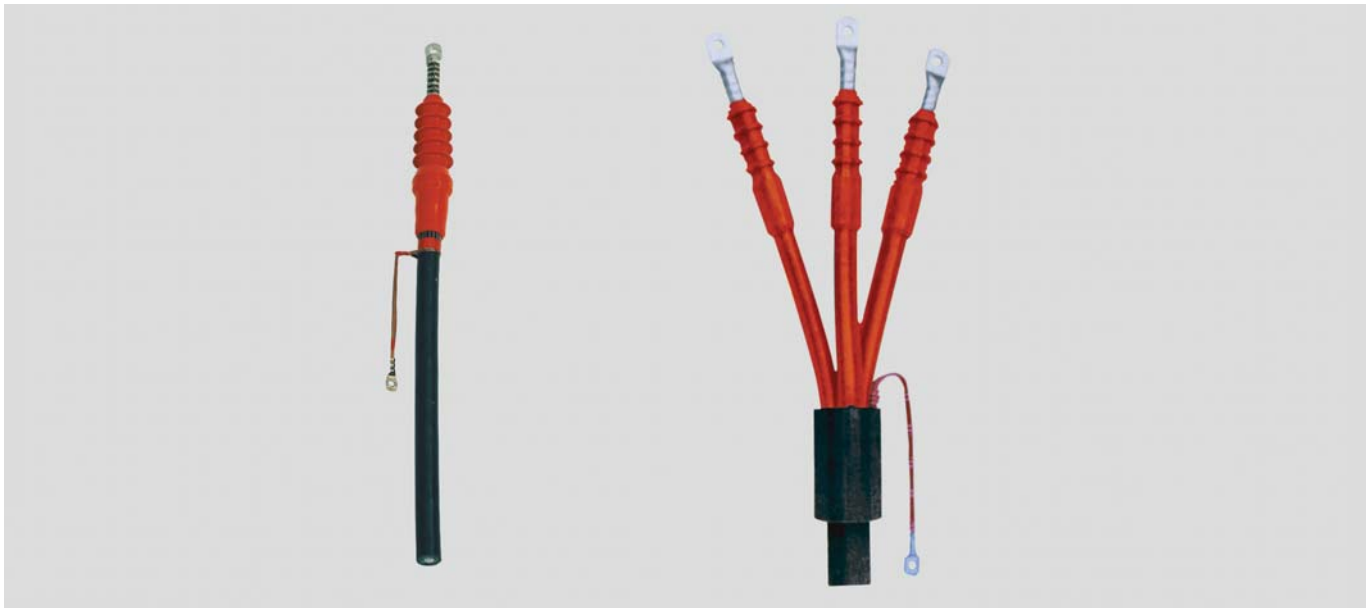
## Single core

Part no.	Type	Nominal voltage U <sub>o</sub> /U(U <sub>m</sub> )	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
94350	MSVM-A12	6/10kV	25,0 - 95,0	1	o. r.	o. r.	o. r.
94351	MSVM-A12	6/10kV	95,0 - 240,0	1	o. r.	o. r.	o. r.
94352	MSVM-A12	6/10kV	50,0 - 240,0	1	o. r.	o. r.	o. r.
94353	MSVM-A12	6/10kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
94355	MSVM-A24	12/20kV	16,0 - 120,0	1	o. r.	o. r.	o. r.
94356	MSVM-A24	12/20kV	35,0 - 95,0	1	o. r.	o. r.	o. r.
94357	MSVM-A24	12/20kV	70,0 - 240,0	1	o. r.	o. r.	o. r.
94358	MSVM-A24	12/20kV	70,0 - 240,0	1	o. r.	o. r.	o. r.
94359	MSVM-A24	12/20kV	35,0 - 240,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# IREV-A, FLEV-A Termination with slip-on method



## IREV-A/FLEV-A

Interior end seals and outside end seals in push-on technology for all single-conductor medium-range voltage plastic cables with differing conductor layers and sheath designs up to 18/30(36)kV.

## Properties

- simple, quick assembly
- large cross-sections
- unlimited conductivity
- no pre-expansion
- no flame or heat source required
- immediately operational

## Scope of delivery

- packing unit: 1
- one-piece suspensible silicon end lock
- integrated field control
- assembly instruction

## IREV-A - indoor termination with slip-on method

Part no.	Type	Nominal voltage Uo/U(Um)	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
94371	IREV-A12	6/10kV	95,0 - 240,0	1	o. r.	o. r.	o. r.
94372	IREV-A12	6/10kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
94373	IREV-A12	6/10kV	240,0 - 500,0	1	o. r.	o. r.	o. r.
94374	IREV-A12	6/10kV	300,0 - 800,0	1	o. r.	o. r.	o. r.
94375	IREV-A24	12/20kV	10,0 - 35,0	1	o. r.	o. r.	o. r.
94376	IREV-A24	12/20kV	35,0 - 120,0	1	o. r.	o. r.	o. r.
94377	IREV-A24	12/20kV	70,0 - 240,0	1	o. r.	o. r.	o. r.
94378	IREV-A24	12/20kV	120,0 - 400,0	1	o. r.	o. r.	o. r.
94379	IREV-A24	12/20kV	240,0 - 630,0	1	o. r.	o. r.	o. r.
94380	IREV-A36	18/30kV	16,0 - 95,0	1	o. r.	o. r.	o. r.
94381	IREV-A36	18/30kV	50,0 - 240,0	1	o. r.	o. r.	o. r.
94382	IREV-A36	18/30kV	120,0 - 400,0	1	o. r.	o. r.	o. r.

## FLEV-A - outdoor termination with slip-on method

Part no.	Type	Nominal voltage Uo/U(Um)	Cross-section mm <sup>2</sup>	Unit	Net EUR/item at a purchase of		
					1	2 - 5	6 - 10
94384	FLEV-A12	6/10kV	95,0 - 240,0	1	o. r.	o. r.	o. r.
94385	FLEV-A12	6/10kV	150,0 - 400,0	1	o. r.	o. r.	o. r.
94386	FLEV-A12	6/10kV	240,0 - 500,0	1	o. r.	o. r.	o. r.
94387	FLEV-A12	6/10kV	300,0 - 800,0	1	o. r.	o. r.	o. r.
94388	FLEV-A24	12/20kV	10,0 - 35,0	1	o. r.	o. r.	o. r.
94389	FLEV-A24	12/20kV	35,0 - 120,0	1	o. r.	o. r.	o. r.
94390	FLEV-A24	12/20kV	70,0 - 240,0	1	o. r.	o. r.	o. r.
94391	FLEV-A24	12/20kV	120,0 - 400,0	1	o. r.	o. r.	o. r.
94392	FLEV-A24	12/20kV	240,0 - 630,0	1	o. r.	o. r.	o. r.
94393	FLEV-A36	18/30kV	50,0 - 240,0	1	o. r.	o. r.	o. r.
94394	FLEV-A36	18/30kV	120,0 - 400,0	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# Medium voltage accessories



## Medium-range voltage accessories

**KMRS:** for a fast, reliable repair of sheath damage up to 1000 V. Consisting of cable sheath repair tape, emery cloth, cleaning cloth.

**Sealant:** for cable penetration, halogen-free dual-component PUR cast resin, practical dual chamber mixing bag.

**Sealing tape, black:** for sealing of cable and wire gussets, repair of damaged cable sheaths, water-tight sealing of cable penetrations.

## Properties

**KMRS:** vulcanising, extremely good electrical properties; outstanding tensile strength, absolute moisture tight.

**Sealant:** good adhesion to metals, plastic, concrete, plastic and natural stones; removable, environmentally compatible, gas and water-tight to 1.5 bar, soft-elastic following hardening.

**Sealing tape:** very good adhesion to metal, glass, rubber, plastic, good dielectric and physical properties.

### KMRS repair set

Part no.	Type	Description	Thickness x Width mm x mm	Content	Unit	Net EUR/item at a purchase of		
						1	2 - 5	6 - 10
93141	KMRS	Cable sheath repair set	-	Mixed bag	1	o. r.	o. r.	o. r.

### LG sealing compound

Part no.	Type	Description	Thickness x Width mm x mm	Content	Unit	Net EUR/item at a purchase of		
						1	2 - 5	6 - 10
93125	Sealant	LG 250 (incl. spatula)	-	250,0 ml	1	o. r.	o. r.	o. r.
93126	Sealant	LG 500 (incl. spatula)	-	500,0 ml	1	o. r.	o. r.	o. r.

### Sealing tape

Part no.	Type	Description	Thickness x Width mm x mm	Content	Unit	Net EUR/item at a purchase of		
						1	2 - 5	6 - 10
93127	Sealing tape	-	3,2 x 38,0	1,5 m	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# Medium voltage accessories



## Medium-range voltage accessories

**HSIB, black:** as conductor insulation for plastic-insulated cables to 69kV, repair and connection of numerous insulating and cable materials, for sealing casting moulds and stuffing cable insulation.

**Cable warning tape, yellow with black marking:** used as an early warning device for excavation work. It should be placed approx. 40 cm above the supply cable, PE laminated film.

## Properties

**HSIB:** good electric and physical properties guarantee long tool life, good dielectric properties, highly weather-resistant, extremely expandable, non-adhesive, welds quickly to form homogenous, cavity-free mass, easy to handle, easy to process, completely removable.

**Cable warning tape:** Good warning effect through more than 400% expansion, colour-fast, age and cold-resistant, expansion remains unchanged, permanently legible through crystal clear film coating over lettering.

## HSIB high voltage insulation tape

Part no.	Type	Description	Thickness x Width mm x mm	Content	Unit	Net EUR/item at a purchase of		
						1	2 - 5	6 - 10
93128	HSIB	High-voltage insulating tape	0,5 x 19,0	10 m	1	o. r.	o. r.	o. r.
93129	HSIB	High-voltage insulating tape	0,75 x 19,0	10 m	1	o. r.	o. r.	o. r.

## Warning tape

Part no.	Type	Description	Thickness x Width mm x mm	Content	Unit	Net EUR/item at a purchase of		
						1	2 - 5	6 - 10
93130	Warning tape	Caution: cable	0,15 x 40,0	250 m	1	o. r.	o. r.	o. r.
93131	Warning tape	Caution: high-voltage cable	0,15 x 40,0	250 m	1	o. r.	o. r.	o. r.
93132	Warning tape	Caution: telephone cable	0,15 x 40,0	250 m	1	o. r.	o. r.	o. r.
93133	Warning tape	Caution: street lighting	0,15 x 40,0	250 m	1	o. r.	o. r.	o. r.

Dimensions and specifications may be changed without prior notice.

o. r. = on request

# Degreasing spray



- cleans and degreases without conducting
- CFC-free
- No decomposition
- No free spraying of the spray head
- Loosens semiconducting residues (e.g. graphite layers)
- Can be used on neoprene, PE, EPR, XLPE, PVC, butyl-rubber and thermoplastic insulations

Container is under pressure, protect before heating to above 50°C (e.g. direct exposure to sun). Do not spray against flames or red hot parts. Do not spray into eyes, FLAMMABLE - the propellants and solvents can form narcotic mixtures. The propellant is heavier than air, exercise extreme caution when using in small hollows. Ensure adequate ventilation when using in closed rooms. Do not smoke. After use, do not open using force and do not burn. Store in a cool place, protect against electrostatic discharge.

Removes contamination caused by grease, oil, wax or tar and is particularly suitable for cleaning cables and lines and washing off conducting layers and insulators. Other applications: Engines, battery chargers, pumps etc.

Part no.	Type	Content	Unit	Net EUR/item at a purchase of		
94148	Entfetter	400,0	1	1	2 - 5	6 - 10
				<u>o. r.</u>	<u>o. r.</u>	<u>o. r.</u>

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