



MVSN 50 SERIES

5 kV Non-shielded Splice kits
 1/C, 3/C to 3-1/C, 3/C and 3/C armored, 2.3-6.6 kV
 splices for extruded dielectric, Non-shielded cables

Description

The Innovative Power Products MVSN 50 series splices are heatshrinkable kits for splicing 5 kV (2.3-6.6 kV), extruded dielectric, **non-shielded**, medium voltage power cables. MVSN 50 series kits provide a lightweight, compact and environmentally sealed system for splicing extruded dielectric, non-shielded power cable. These splices can be installed in duct systems, vaults, submersible or direct-buried applications. MVSN 50 series splice system provides a total environmental seal. Splice failures in flooded vaults are eliminated.

Performance

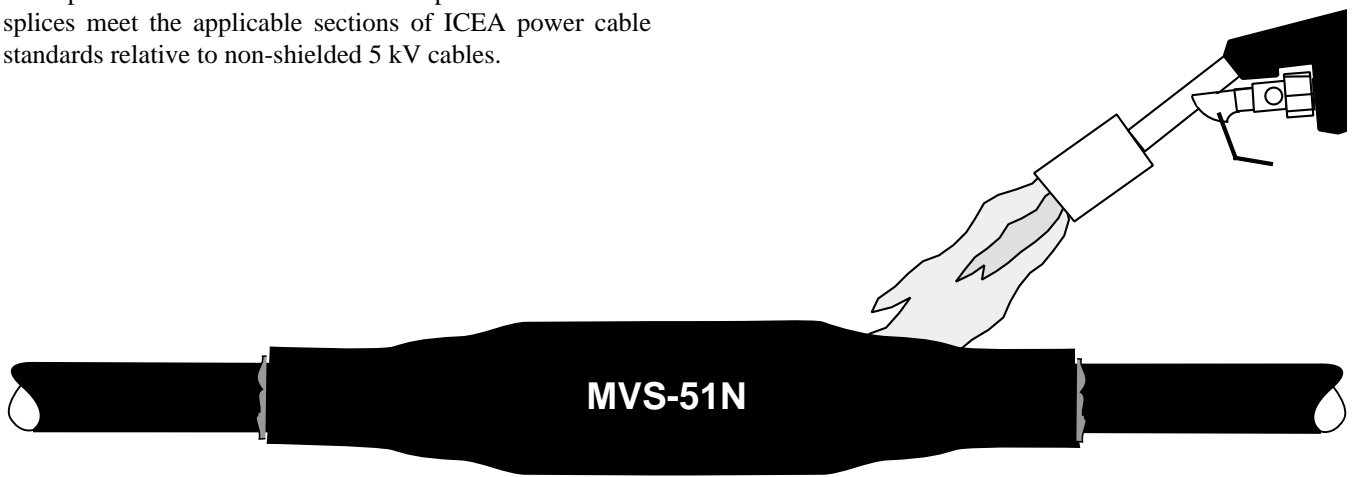
MVSN 50 kits are factory engineered to provide fast, easy and repeatable installations with reliable performance. These splices meet the applicable sections of ICEA power cable standards relative to non-shielded 5 kV cables.

Convenient Packaging

The kits are packaged to provide three (3) single-core splices for MVSN 50 splices, or one (1) three-core cable splice for MVSTN 50, MVS3N 50 and MVSA3N 50 splice kits. These factory engineered kits are supplied with everything that is necessary to rebuild the cable, *less* the butt-splice connectors. Connectors can be supplied in the kits; subject to factory quote. See section 5 for connector information.

Related Product Information

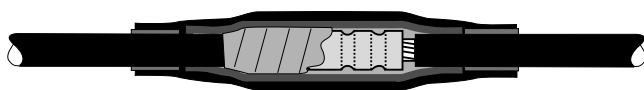
All MVSN 50 series products: • Price List PL-602



MVSN 50 series Splice Kits

MVSN 50 series splice kits use Field control material over the connector to suppress partial discharge. A corona resistant heavy walled sleeve is then installed over the connector for insulation. Sealant is applied at both ends of the insulating sleeve to make the primary seal, and a heavy-walled insulating/jacketing sleeve is shrunk in place to complete the splice.

1/C to 1/C, 5 kV Nonshielded Straight Splice Kit



Kit Contents

The MVSN 50 series splice kits contain the following:

- Field control material
- Corona resistant insulating sleeve
- Sealant strips
- Insulating/Jacketing sleeve
- Installation Guide

SELECTION GUIDE

1/C Conductor Range <i>All dimensions in inches</i>	Kit Catalog Number	Jacket O.D. Range min. max.
6-2/0 AWG	MVSN 51	0.42 0.85
3/0-350 kcmil	MVSN 52	0.75 1.25
400-1250 kcmil	MVSN 53	1.16 2.05

9 M.V. Cable Acc. 5 kV



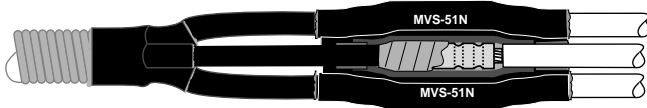
MVSN 50 SERIES

5 kV Non-shielded Splice Kits
 1/C, 3/C to 3-1/C, 3/C and 3/C (armored), 2.3-6.6 kV
 splices for extruded dielectric, Non-shielded cables

MVSTN 50 series Trifurcating Splice Kits

MVSTN 50 series splice kits use the single-core MVSN 50 series splices plus additional components to convert the three-core cable into three, single-core cables. The small diameter tubings are for jacketing the ground wires, and the cable breakout and sealing profile seal the three cores and ground wires. The single-core MVSN 50 series splices are then installed in the normal manner.

3/C to 3-1/C, 5 kV Non-shielded Trifurcating Splice Kit



Kit Contents

The MVSTN 50 series splice kits contain the following:

- MVSN 50 series splice kits
- Ground wire jacketing tubes
- Sealing profile
- Three-legged cable breakout
- Installation Guide

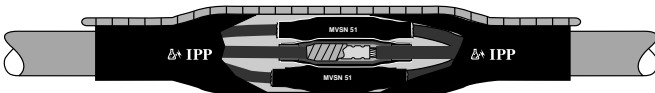
SELECTION GUIDE

3/C Conductor Range <i>All dimensions in inches</i>	Kit Catalog Number	Jacket O.D. Range	
		min.	max.
6-2/0 AWG	MVSTN 51	1.00	2.00
3/0-350 kcmil	MVSTN 52	1.45	2.85
400-1000 kcmil	MVSTN 53	1.70	3.75

MVS3N 50 series Three-core Splice Kits

The MVS3N 50 series splice kits use the single-core MVSN 50 series splices plus an additional heatshrinkable wraparound sleeve. The single-core splices are installed normally, then the outer wraparound sleeve is installed to re-jacket the spliced three-core cable.

3/C to 3/C, 5 kV Non-shielded Straight Splice Kit



Kit Contents

The MVS3N 50 series splice kits contain the following:

- MVSN 50 series splice kits
- Wraparound heatshrinkable outer sleeve
- Installation Guide

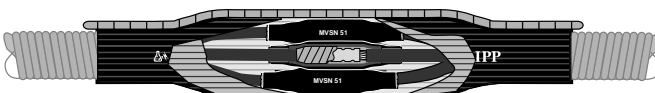
SELECTION GUIDE

3/C Conductor Range <i>All dimensions in inches</i>	Kit Catalog Number	Jacket O.D. Range	
		min.	max.
6-2/0 AWG	MVS3N 51	1.00	2.00
3/0-350 kcmil	MVS3N 52	1.45	2.85
400-1000 kcmil	MVS3N 53	1.70	3.75

MVSA3N 50 series Armored Cable Splice Kits

The MVSA3N 50 series splice kits are designed using the single-core MVSN 50 series splices plus an additional wraparound armor case and heatshrinkable wraparound sleeve. The single core splices are installed normally. The wraparound armor case and outer wraparound jacketing sleeve are installed to seal and protect the spliced armored cable.

3/C to 3/C, 5 kV Armored Non-shielded Splice Kit



Kit Contents

The MVSA3N 50 series splice kits contain the following:

- MVSN 50 series splice kits
- Wraparound armor case
- Wraparound heatshrinkable outer sleeve
- Installation Guide

SELECTION GUIDE

3/C Conductor Range <i>All dimensions in inches</i>	Kit Catalog Number	Jacket O.D. Range	
		min.	max.
6-2/0 AWG	MVSA3N 51	1.00	2.00
3/0-350 kcmil	MVSA3N 52	1.45	2.85
400-1000 kcmil	MVSA3N 53	1.70	3.75