

## Inline Joints

**Premium (PREM)**
**Standard (STND)**

| Cable Screen | Cores  | Application      | Additional Components Required |
|--------------|--------|------------------|--------------------------------|
| Copper Wire  | Single | Polymeric Cables | None                           |

| Voltage | Type | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N          |
|---------|------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------|
| 11kV    | PREM |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK610-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK620-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK630-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK632-1/C |
|         | STND |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AS610-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AS620-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AS621-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AS630-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AS631-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      |              |
| 22kV    | PREM |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-AK620-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-AK621-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-AK630-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-AK631-1/C |
|         | STND |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-AS620-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-AS630-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-AS631-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      |              |
| 33kV    | PREM |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-AK620-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-AK630-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-AK631-1/C |
|         | STND |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-AS620-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-AS630-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-AS631-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-AS632-1/C |
|         |      |    |    |    |     |     |     |     |     |     |     |     |     |      |              |
| 45kV    | PREM |    |    |    |     |     |     |     |     |     |     |     |     |      | 95-AC643-1   |

| Cable Screen | Cores  | Application               | Additional Components Required |
|--------------|--------|---------------------------|--------------------------------|
| Copper Tape  | Single | Polymeric Armoured Cables | None                           |

| Voltage | Type | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N          |              |
|---------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------|--------------|
| 11kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK612-1/C |              |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK622-1/C |              |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK623-1/C |              |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      |              | 92-AK633-1/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK634-1/C |              |
|         | STND |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AS611-1/C |              |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      |              | 92-AS623-1/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      |              | 92-AS624-1/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      |              | 92-AS632-1/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AS633-1/C |              |
| 33kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      |              | 94-AP635-1/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      |              | 94-AP636-1/C |

| Cable Screen | Cores | Application               | Additional Components Required                        |
|--------------|-------|---------------------------|-------------------------------------------------------|
| Copper Tape  | Three | Polymeric Armoured Cables | Outer Protection Kits and/or Resin Packs (92-AV only) |

| Voltage | Type | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N |              |              |
|---------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|--------------|--------------|
| 11kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      |     | 92-AV610-3/C |              |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      |     |              | 92-AV620-3/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      |     |              | 92-AV630-3/C |
| 33kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      |     | 94-AP230-3/C |              |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      |     |              | 94-AP231-3/C |

**Cable Screen** Copper Tape    **Cores** Three    **Application** Polymeric Armoured Cables    **Additional Components Required** None

| Voltage | Type | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N          |
|---------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------|
| 11kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AV612-3/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AV622-3/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AV642-3/C |

Mines and quarries approved

**Cable Screen** Common Copper Wire    **Cores** Three    **Application** Polymeric Cables    **Additional Components Required** None

| Voltage | Type | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N          |
|---------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------|
| 11kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AK620-3/C |

## Transition Joints

**Cable Screen** Copper Tape    **Cores** Three    **Application** Polymeric Cables    **Additional Components Required** Supplementary Kit, Mould Shell & Resin Packs

| Voltage | Type | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N          |
|---------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------|
| 11kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AV610-3/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AV620-3/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-AV630-3/C |

## Transition Trifurcating Joints

**Cable Screen** Copper Wire    **Cores** Single    **Application** PILC/PICAS to Polymeric Cables    **Additional Components Required** Supplementary Kits & Resin Packs

| Voltage | Type | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N          |
|---------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------|
| 11kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-FG411-3/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-FG421-3/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-FG431-3/C |
| 33kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-FP435-3/C |
|         |      |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-FP436-3/C |

## Branch Joints

**Cable Screen** Copper Wire    **Cores** Single    **Application** Polymeric Cables    **Additional Components Required** None

| Voltage     | Type | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N          |
|-------------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------|
| 11kV & 22kV | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-BP620-1/C |

**Cable Screen** Copper Tape    **Cores** Three    **Application** Polymeric Armoured Cables    **Additional Components Required** Resin Packs

| Voltage | Type | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N           |
|---------|------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|---------------|
| 11kV    | PREM |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-BV6210-3/C |

NB: This is a quick reference guide for standard cable and screen configurations. please contact either 3M or an approved MV Distributor for details of variations.



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# Trust in Experience

## **3M Medium Voltage Cold Shrink** Cable Joints & Terminations Selection Guide

# Terminations

|                |                 |
|----------------|-----------------|
| Premium (PREM) | Standard (STND) |
|----------------|-----------------|

Cable Screen      Cores      Application  
Copper Wire      Single      Indoor

| Voltage | Type | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N        |
|---------|------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------------|
| 11kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP621-1 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP631-1 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP641-1 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP656-1 |
| 22kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EP610-1 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EP620-1 |
|         | STND |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB62-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB63-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB64-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB65-1  |
| 33kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP610-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP620-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP630-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP640-2 |
|         | STND |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EB62-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EB63-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EB64-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EB65-1  |
| 45kV    | STND |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 95-EP631-2 |

Cable Screen      Cores      Application  
Copper Wire      Single      Outdoor

| Voltage | Type | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N        |
|---------|------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------------|
| 11kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP621-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP631-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP641-2 |
|         | STND |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB62-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB63-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB64-1  |
| 22kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB65-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP621-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP631-2 |
|         | STND |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP641-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EB62-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EB63-1  |
| 33kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EB64-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EB65-1  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP610-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP620-2 |
| 45kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP630-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP640-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 95-EP631-2 |
|         | STND |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 95-EB62-2  |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 95-EB63-2  |

NB: This is a quick reference guide for standard cable and screen configurations. please contact either 3M or an approved MV Distributor for details of variations.

**Cable Screen**  
Copper Tape + Armour

**Cores**  
Single

**Application**  
Indoor

| Voltage | Type | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N          |
|---------|------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------|
| 11kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP629-1   |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP639-1   |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP649-1   |
|         | STND |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EB621-1-P |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EB631-1-P |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EB641-1-P |
| 33kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 93-EB651-1-P |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP612-2   |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP622-2   |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP632-2   |

**Cable Screen**  
Copper Tape + Armour

**Cores**  
Single

**Application**  
Outdoor

| Voltage | Type | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | 800 | 1000 | P/N        |
|---------|------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------------|
| 11kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP623-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP633-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP643-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 92-EP653.2 |
| 33kV    | PREM |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP612-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP622-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP632-2 |
|         |      |    |    |    |    |    |     |     |     |     |     |     |     |     |     |      | 94-EP642-2 |



**Cable Screen**

Copper Tape + Armour

**Cores**

Three

**Application**

Indoor

| Voltage | Type | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | P/N         |
|---------|------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-------------|
| 11kV    | PREM |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 7620-T95-3W |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 7621-T95-3W |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 7623-T95-3W |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 7624-T95-3W |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EP626-3  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EP636-3  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EP646-3  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EP656-3  |
|         | STND |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EB614-3  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EB624-3  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EB634-3  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EB61-3   |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EB62-3   |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EB62-3   |
| 22kV    | STND |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 92-EB64-3   |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 93-EB61-3   |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 93-EB62-3   |
| 33kV    | STND |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 93-EB63-3   |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 94-EB62-3   |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 94-EB63-3   |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 94-EB64-3   |

**Cable Screen**

Copper Tape + Armour

**Cores**

Three

**Application**

Outdoor

| Voltage | Type | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | 400 | 500 | 630 | P/N        |
|---------|------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| 11kV    | PREM |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 7691-S4-3W |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 7692-S4-3W |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 7693-S4-3W |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 7694-S4-3W |
|         | STND |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 93-EB61-3  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 93-EB62-3  |
| 33kV    | STND |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 93-EB63-3  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 94-EB63-4  |
|         |      |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     | 94-EB64-4  |

NB: This is a quick reference guide for standard cable and screen configurations. please contact either 3M or an approved MV Distributor for details of variations.