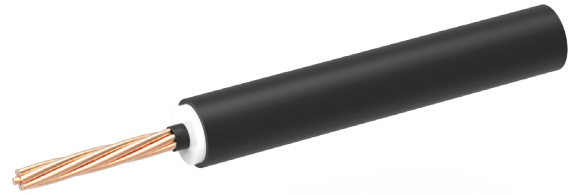


## Insulated Lightning Conductor

**Insulated Lightning Conductor** can be used with standard connection accessories for 8mm size conductor.

The **Insulated Lightning conductor** can be used in conjunction with the **Air Terminals** outlined on pages AT:38 - 40, but it can also be used in applications where it is not possible to maintain the separation distance between down conductors and the structure being protected, eg running close to photovoltaic array panels.



<b>Part Number</b>	KM30000199
<b>Colour</b>	Black
<b>The outer diameter</b>	23.4mm
<b>Cross-section of the cable core</b>	35mm <sup>2</sup>
<b>Maximum conductor resistance at 20°C</b>	0.524 Ω/km
<b>Equivalent of separation distance for air</b>	750mm
<b>Equivalent of separation distance for regular building materials</b>	1500mm
<b>Cable weight</b>	0.735kg/m
<b>Operating temperature range</b>	From -30°C to 70°C
<b>Assembly temperature range</b>	From -5°C to 40°C
<b>Minimum bending radius</b>	About 280mm
<b>Cable flammability</b>	Not spreading flame
<b>Flammability test</b>	PN-EN 60332-1-2; IEC 60332-1
<b>Bending radius</b>	280mm

Used for equivalent separation distances of  $\leq 0.75\text{m}$  in air and  $\leq 1.5\text{m}$  in solid material.

The **Insulated Lightning Conductor** is flame-resistant in accordance with IEC EN 60332-1-2, its twisted copper core is surrounded by insulation layers of meshed cross-linked polyethylene (XLPE) and the ageing-resistant polyvinyl chloride (PVC) sheath. The cable is flexible and ideally suited for routing in external areas, roofs, walls and embedding in concrete.

Kingsmill **Insulated Lightning conductor** has a tested arresting capacity of 100kA lightning surge current (1.2/50 $\mu\text{s}$ ) and it meets the requirements of IEC EN 62561-1.

