

Insulated Lightning Conductor Cable

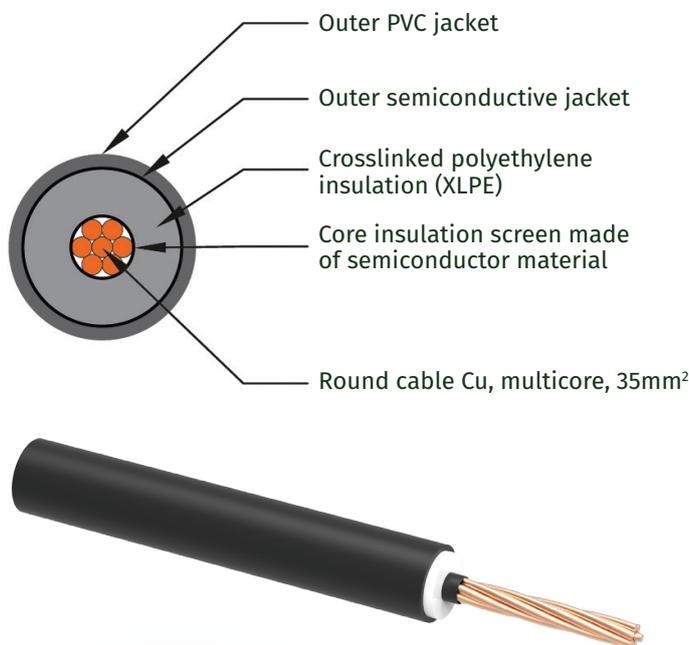
Kingsmill **Insulated Lightning Conductor Cable** is used for maintaining the separation distance between electrically conductive parts of the structure to be protected and the Lightning Protection System and is in accordance with IEC EN 62305-3.

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

Insulated Lightning Conductor Cable 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 Cable** system has a tested arresting capacity of 100kA lightning surge current (1.2/50 μs).

The cable meets the requirements of IEC EN 62561-1.



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

Can be used with standard connection accessories for 8mm size conductor.

Insulated Lightning Conductor Cable can be used in conjunction with the **Air Terminals** outlined on pages AT:38 - 40. 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, for example, running close to photovoltaic array panels.

Insulated Lightning Conductor Cable Scissors

Use Kingsmill **Insulated Lightning Conductor Cable Scissors** to strip insulation from the cable to enable installation of **Insulated Lightning Conductor Cable End Tips**.

DESCRIPTION	PART NO.
Cable Scissors	KM31400101

