



HVI light plus

# The all-rounder for insulated lightning protection

Dielectric withstand test with HVI  
check

The high-voltage-resistant, insulated HVI light plus down conductor offers advantages for installation and planning due to protection against electric shock, approval for use in hazardous areas and the saving of an additional equipotential bonding connection.

## Your benefits at a glance:

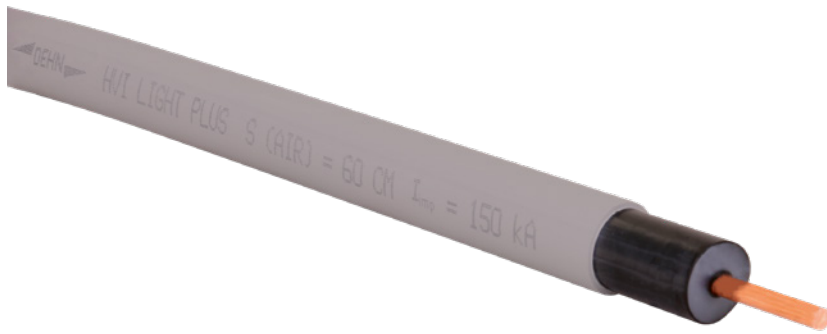
**Reduced installation and planning costs** thanks to a solid inner conductor and no need for additional equipotential bonding.

**Cost saving**, since existing tools can be used for the HVI range.

**Protection against electric shock** with an additional grey sheath.

**Visual integration** by using a grey tone that matches concrete walls.

# All in one: 20 years of experience rolled into in one conductor



- Solid inner conductor
- Separation distance in air of 60 cm
- Protection against electric shock with an additional grey sheath
- Approval for use in hazardous areas
- Fire class Eca
- Halogen-free
- Signal grey; can be painted over if preferred
- No additional equipotential bonding necessary

## HVI lightning protection: which conductor do you need and when?

	HVI light	HVI light plus	HVI grey	HVI black	HVI power
Separation distance in air	≤ 45 cm	≤ 60 cm	≤ 75 cm	≤ 75 cm	≤ 90 cm
Lightning current carrying capability	150 kA	150 kA	150 kA	150 kA	200 kA
Class of LPS	II - IV	II - IV	II - IV	II - IV	I - IV
Protection against electric shock	-	yes	yes	-	-
Approval for use in hazardous areas	-	yes	yes	yes	yes
Paintable	yes	yes	yes	-	-
Without additional equipotential bonding	yes	yes	-	-	-
Solid inner conductor	optional	yes	-	-	-

Technical data	HVI light plus
<b>Part No.</b> 100 m 500 m Individually cut to length (6-70 m)	<b>819 600</b> <b>819 605</b> <b>819 609</b>
Outer sheath diameter	Ø 21 mm
Cross-section of core (solid)	16 mm <sup>2</sup>
Outer sheath colour	Signal grey; RAL 7004
Class of LPS: Max. cable length (k <sub>c</sub> = 1)	II: 10.00 m; III / IV: 15.00 m
Minimum order length	6 m
Equivalent separation distance [s] (in air)	≤ 60 cm
Lightning-current-carrying capability (class / I <sub>imp</sub> )	H1 / 150 kA
Minimal bending radius	210 mm
Fire load	3.7 kWh/m
Fire class	Eca

Please refer to the respective installation instructions for further technical details.



You can find them in the product database:  
<http://de.hn/4W9v9>

### Technical Support

Phone: +49 9181 906 1750  
Email: [technik.support@dehn.de](mailto:technik.support@dehn.de)

Subject to technical changes.  
Misprints and errors excepted.  
The illustrations are non-binding.  
DS114/EN/1223  
© Copyright 2023 DEHN SE



Learn more  
<http://de.hn/d78Dd>

