

# New generation isCon<sup>®</sup>

The high-voltage-resistant, insulated isCon<sup>®</sup> conductor is the modern solution for planners and constructors of lightning protection systems that conform to the required spark gaps according to VDE 0185-305-3 (IEC/EN 62305-3).

As an innovative international provider of complete lightning and surge protection systems, OBO has adjusted its product range according to the different demands of our customers in the area of insulated lightning protection.

**The result:** We can now offer the appropriate isCon<sup>®</sup> conductor system with external certification according to the most recent testing norms (IEC TS 62561-8) for any lightning protection project.



BASIC

$s_e \leq 45$

PROFESSIONAL

$s_e \leq 75$

EX

PROFESSIONAL +

$s_e \leq 75$

PREMIUM

$s_e \leq 90$

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## Technical data

BASIC		$s_e \leq 45 \text{ cm}$	150 kA	$\varnothing 20 \text{ mm}$		Flat roof/ 2 storeys
PROFESSIONAL		$s_e \leq 75 \text{ cm}$	150 kA	$\varnothing 20 \text{ mm}$		Industrial building
EX PROFESSIONAL+		$s_e \leq 75 \text{ cm}$	150 kA	$\varnothing 23 \text{ mm}$		Chemical industry
PREMIUM		$s_e \leq 90 \text{ cm}$	200 kA	$\varnothing 23 \text{ mm}$		High-rise buildings

## Product safety and quality

Having standardised conductor cross-sections, the isCon® conductors meet the requirements of VDE 0185-561-2 (IEC/ EN 62561-2). Numerous lightning protection tests to VDE 0185-561-1 (IEC/EN 62561-1) as well as to IEC TS 62561-8 with up to 200 kA (10/350) ensure safe application in all lightning protection classes.

The floating discharge-free isCon® Professional+ conductor has been certified externally for the use in Ex areas. The isCon® Professional+ has an additional grey external sheath and ensures also the protection against dangerous touch voltages according to VDE 0185-305-3 (IEC/ EN 62305-3).

