

Specification	Iso-conductor –ISCON [®] of OBO Bettermann. 25m gliding charge-free high voltage-resistant insulating conductor according to ICE 62305.
Article number	58 00 01

Customs tariff No.: 85389099



Structure of the isCon[®] conductor

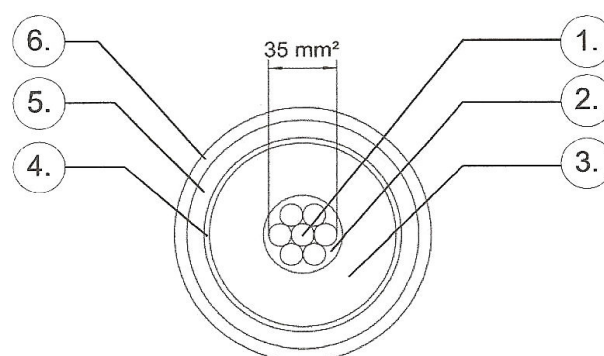


Fig. 1 Diagram of the structure of the isCon[®] conductor

No.	Designation
1	Round cable, multicore, 35 mm ² , Cu
2	Inner conductive layer, VPE
3	Insulation, VPE
4	Outer conductive layer, VPE
5	Outer jacket, EVA (low conductivity)
6	Outer jacket, light grey (on isCon 750 LGR only)

Table 1 Diagram of the structure of the isCon[®] conductor

Type	isCon 750 SW	isCon 750 LGR
Colour	Black	Light grey
Equivalent separation distance, air	≤ 750 mm	≤ 750 mm
Equivalent separation distance, solid building material	≤ 1500 mm	≤ 1500 mm
Equivalent separation distance, mixed building material	See DIN EN 62305-3 supplement 1	
External diameter	23 mm	26 mm
Round cable, multicore, Cu	35 mm ²	35 mm ²
Cable weight	approx. 649 kg/km	approx. 868 kg/km
Temperature range for routing	min. 0 °C, max. 40 °C	min. 0 °C, max. 40 °C
Operating temperature	max. 70 °C	max. 70 °C
Bend radius (min. 15x D)	min. 345 mm	min. 390 mm
Tensile strength	1,750 N	1,750 N

Table 2 Overview of isCon[®] 750 SW and 750 LGR conductors

Description	
Material	Gliding charge-free high voltage-resistant insulating conductor according to ICE 62305. 35qmm cross section, 23mm Ø. 25m on a cable reel.