

Artikelbeschreibung	Iso-Leitung –ISCON® von OBO Bettermann. 100m Gleitladungsfreie hochspannungs-fest isolierte Leitung nach ICE 62305. Gewicht: 105 Kg
Artikelnummer	58 00 02

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Structure of the isCon® conductor

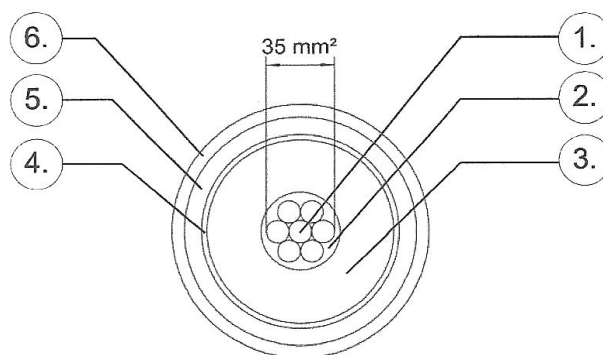


Fig. 1 Diagram of the structure of the isCon® conductor

No.	Designation
1	Round cable, multicore, 35 mm², 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 mm²	35 mm²
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

Beschreibung	
Material	Gleitladungsfreie hochspannungsfest isolierte Leitung nach ICE 62305. 35qmm Querschnitt, 23mm Ø. 100m Auf Einwegkabeltrommel.