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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Artikelbeschreibung</b> | Iso-Leitung –ISCON® von OBO Bettermann.<br>25m Gleitladungsfreie hochspannungs-fest isolierte Leitung nach ICE 62305.<br>Gewicht: 52 Kg |
| <b>Artikelnummer</b>       | <b>58 00 01</b>                                                                                                                         |

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Structure of the isCon® conductor

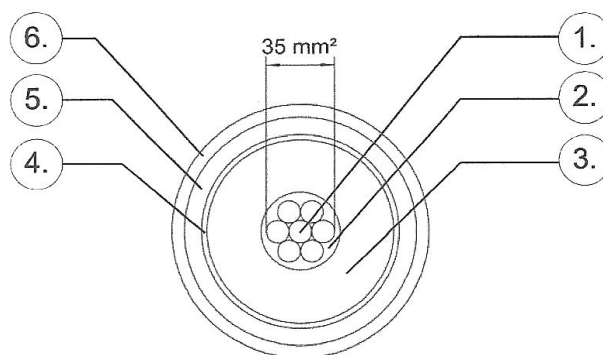


Fig. 1 Diagram of the structure of the isCon® conductor

| 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

|                     |                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Beschreibung</b> |                                                                                                                                     |
| <b>Material</b>     | <b>Gleitladungsfreie hochspannungsfest isolierte Leitung nach ICE 62305. 35qmm Querschnitt, 23mm Ø. 25m Auf Einwegkabeltrommel.</b> |