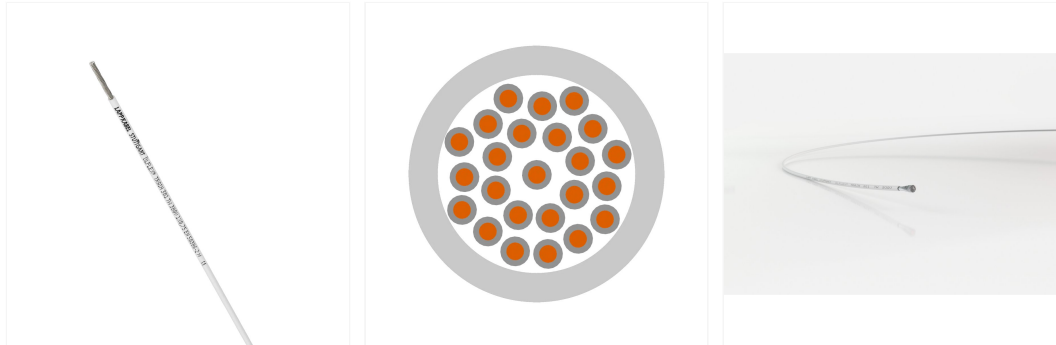


**ÖLFLEX® TRAIN 301 TW 300V 1X0,75**
**Article No.:** 15301001

Railway cable; 1X0.75; Ring; EN 50306-2; Type M;  $U_0/U$ : 300/300 V; -40 - 125 °C; Electron-beam cross-linked polymer compound; white


**CE**

**Details**
**Notes**

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

The absence of PWIS raw materials does not protect against the potential risk of contamination with substances that interfere with the paint wetting during subsequent handling of the product(s) during transport, storage or further processing after delivery.

**Remarks**
**Technical Data**

**General information**

|                            |                   |
|----------------------------|-------------------|
| Brand                      | ÖLFLEX®           |
| Product type               | Railway cable     |
| Copper index               | 48.38 lb/10000 ft |
| Single core packaging type | Ring              |
| Length per PU              | 328.084 ft        |
| Industry segment           | Rolling Stock     |

**Electrical parameters**

|                                    |   |
|------------------------------------|---|
| Nominal voltage fixed installation | $U_0/U$ : 0,6/1 kV AC rms according to IEC  |
| Nominal voltage                    | $U_0/U$ : 300/300 V AC rms according to IEC |
| Maximum operating voltage $U_m$    | 550 V AC                                    |
| test voltage                       | 3.5 kV                                      |
| Current rating according to        | EN 50355                                    |
| Short-circuit temperature [5s]     | 160 °C                                      |

**Product design**

|  |   |
|--|---|
| Type designation for rolling stock cables          | Type M                                      |
| Cable dimension                                    | 1X0.75                                      |
| Nominal cross section conductor (mm <sup>2</sup> ) | 0.75 mm <sup>2</sup>                        |
| Conductor material                                 | Tin-plated Copper                           |
| Conductor design                                   | EN 50306-1, 37-wire                         |
| Including protective ground                        | No  |
| Number of cores                                    | 1   |
| Shielded   | No  |
| Nominal conductor diameter                         | 0.059 in                                    |
| Cable form   | Round                                       |
| Core insulation base material                      | Electron-beam cross-linked polymer compound |
| Single core color                                  | white                                       |
| Single conductor identification                    | Single-colored                              |

**Product features**

|  |   |
|--|---|
| Application area                               | Fixed Installation  |
| Minimum bending radius, stationary             | 4 x outer diameter  |
| Temperature, fixed installation                | -40 °C to 125 °C max. conductor temperature<br>-50 °C according to GOST   |
| Flame-retardant                                | Yes   |
| Flame retardance according to                  | IEC 60332-1-2<br>EN 50305<br>NF-C 32-070 (C1)<br>NF-C 32-070 (C2)<br>NF-F 16-101 (A1)<br>NF-F 16-101 (A2)<br>NF-F 16-101 (B)<br>NF-F 16-101 (C) |
| low smoke density according to                 | IEC 61034-2<br>EN 50306-1<br>NF X 10-702  |
| low toxicity of combustion gases               | EN 50305<br>NF X 70-100   |
| Corrosiveness of combustion gases according to | EN 50306-1<br>IEC 60754-2   |
| UV-resistant                                   | No  |
| Chemical resistant                             | Yes   |
| Acid-resistant                                 | Yes   |
| Acid-resistant according to                    | EN 50306  |
| Alkali resistant                               | Yes   |
| Alkali-resistant according to                  | EN 50306  |
| Halogenfree                                    | Yes   |
| Halogen-free according to                      | IEC 60754-1<br>EN 60684-2   |
| Oil resistant                                  | Yes   |
| Oil resistance according to                    | EN 50306  |
| Fuel-resistant                                 | Yes   |
| Fuel-resistant according to                    | EN 50306  |

|                        |                 |
|------------------------|-----------------|
| PWIS-free              | Yes             |
| PWIS-free according to | VDMA 24364-B2-L |

**Certifications and standards**

|   |  |
|---|--|
| CE marking  | Yes  |
| EAC certified   | Yes  |
| EAC certification number  | EAЭC N RU Д-DE.АЮ64.В.00130/20                     |
| VDE certified   | No   |
| Resistance to flame propagation tested according to UN/ECE-R118 | No   |
| Tested for fire protection for railway vehicles                 | Yes  |
| Fire protection for railway vehicles hazard level               | EN 45545-2 HL1<br>EN 45545-2 HL2<br>EN 45545-2 HL3 |

**ÖLFLEX® TRAIN 301 TW 300V**

| Article No. | Name                             | Nominal cross section conductor (mm <sup>2</sup> ) | Single core packaging type | Nominal conductor diameter | Length per PU | Copper index       |
|-------------|----------------------------------|--|----------------------------|----------------------------|---------------|--------------------|
| 15301000    | ÖLFLEX® TRAIN 301 TW 300V 1X0,5  | 0.5 mm <sup>2</sup>                                | Ring                       | 0.051 in                   | 328.084 ft    | 32.25 lb/10000 ft  |
| 15301000K   | ÖLFLEX® TRAIN 301 TW 300V 1X0,5  | 0.5 mm <sup>2</sup>                                | Large Cardboard Box        | 0.051 in                   | 9,842.52 ft   | 32.26 lb/10000 ft  |
| 15301000S   | ÖLFLEX® TRAIN 301 TW 300V 1X0,5  | 0.5 mm <sup>2</sup>                                | Spool                      | 0.051 in                   | 1,640.42 ft   | 32.26 lb/10000 ft  |
| 15301001    | ÖLFLEX® TRAIN 301 TW 300V 1X0,75 | 0.75 mm <sup>2</sup>                               | Ring                       | 0.059 in                   | 328.084 ft    | 48.38 lb/10000 ft  |
| 15301001S   | ÖLFLEX® TRAIN 301 TW 300V 1X0,75 | 0.75 mm <sup>2</sup>                               | Spool                      | 0.059 in                   | 1,640.42 ft   | 48.38 lb/10000 ft  |
| 15301002    | ÖLFLEX® TRAIN 301 TW 300V 1X1    | 1 mm <sup>2</sup>                                  | Ring                       | 0.063 in                   | 328.084 ft    | 64.51 lb/10000 ft  |
| 15301002K   | ÖLFLEX® TRAIN 301 TW 300V 1X1    | 1 mm <sup>2</sup>                                  | Large Cardboard Box        | 0.063 in                   | 8,202.1 ft    | 64.51 lb/10000 ft  |
| 15301002S   | ÖLFLEX® TRAIN 301 TW 300V 1X1    | 1 mm <sup>2</sup>                                  | Spool                      | 0.063 in                   | 1,640.42 ft   | 64.51 lb/10000 ft  |
| 15301003    | ÖLFLEX® TRAIN 301 TW 300V 1X1,5  | 1.5 mm <sup>2</sup>                                | Ring                       | 0.083 in                   | 328.084 ft    | 96.76 lb/10000 ft  |
| 15301003K   | ÖLFLEX® TRAIN 301 TW 300V 1X1,5  | 1.5 mm <sup>2</sup>                                | Large Cardboard Box        | 0.083 in                   | 8,202.1 ft    | 96.76 lb/10000 ft  |
| 15301003S   | ÖLFLEX® TRAIN 301 TW 300V 1X1,5  | 1.5 mm <sup>2</sup>                                | Spool                      | 0.083 in                   | 820.21 ft     | 96.76 lb/10000 ft  |
| 15301004    | ÖLFLEX® TRAIN 301 TW 300V 1X2,5  | 2.5 mm <sup>2</sup>                                | Ring                       | 0.106 in                   | 328.084 ft    | 163.96 lb/10000 ft |
| 15301004K   | ÖLFLEX® TRAIN 301 TW 300V 1X2,5  | 2.5 mm <sup>2</sup>                                | Large Cardboard Box        | 0.106 in                   | 6,561.68 ft   | 163.96 lb/10000 ft |
| 15301004S   | ÖLFLEX® TRAIN 301 TW 300V 1X2,5  | 2.5 mm <sup>2</sup>                                | Spool                      | 0.106 in                   | 820.21 ft     | 163.96 lb/10000 ft |

V1.1