



## ÖLFLEX® INSTRUM SWA 280 H

Armoured overall screened instrumentation cable LSZH  
CU/XLPE/OS/LSZH/SWA/LSZH



Info

**RE4XOHM1FM1 300 V  
EN 50288-7**

**Benefits**

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant

**Product features**

Armoured twisted pair or triad signal cable, overall screened, XLPE insulated and LSZH jacketed

**Norm references / Approvals**

- **Hydrocarbon & Oil resistance**  
CEI 20-34/0
- **Smoke**  
IEC 61034-1 and 2
- **Halogen acid gas**  
IEC 60754-1 and 2
- **Fire behaviour**  
IEC 60332-1-2  
IEC 60332-3-22 (Cat. A)

**Design**

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized Steel Wire
- **Outer sheath:** LSZH, black

**Technical data**

- Core identification code:**  
Pairs are black & white with printed numbers  
Triads are black, white, red with printed numbers
- Insulation resistance:**  
5000 MOhm x km
- Conductor stranding:**  
Class 2 IEC 60228
- Nominal Voltage Uo/U:**  
300/300 V
- Test voltage:**  
C/C 1500 V x 1 minute
- Temperature range:**  
during operation: -30° to +70°C  
during installation: -5° to +50°C
- Minimum Bending Radius:**  
10 x Outer Diameter

| Number cores and mm <sup>2</sup> per conductor | Approx. Outer Diameter (mm) | Copper index (kg/km) | Approx. Weight (kg/km) |
|--|-----------------------------|----------------------|------------------------|
| <b>ÖLFLEX® INSTRUM SWA 280 H</b>               |                             |                      |                        |
| 1x2x0,5  | 9,8                         | 15,1                 | 179                    |
| 2x2x0,5  | 12,3                        | 25,4                 | 266                    |
| 6x2x0,5  | 15,3                        | 66,7                 | 398                    |
| 10x2x0,5                                       | 18,5                        | 108,0                | 538                    |
| 12x2x0,5                                       | 18,9                        | 128,7                | 568                    |
| 16x2x0,5                                       | 20,8                        | 170,0                | 683                    |
| 20x2x0,5                                       | 23,5                        | 211,3                | 925                    |
| 24x2x0,5                                       | 25,5                        | 252,6                | 1.044                  |
| 30x2x0,5                                       | 26,9                        | 314,6                | 1.166                  |
| 1x3x0,5  | 10,0                        | 20,2                 | 192                    |
| 3x3x0,5  | 13,8                        | 51,2                 | 332                    |
| 6x3x0,5  | 16,9                        | 97,7                 | 484                    |
| 10x3x0,5                                       | 20,4                        | 159,7                | 664                    |
| 12x3x0,5                                       | 20,9                        | 190,6                | 707                    |
| 1x2x0,75                                       | 10,5                        | 20,2                 | 206                    |
| 2x2x0,75                                       | 13,3                        | 35,7                 | 304                    |
| 6x2x0,75                                       | 17,1                        | 97,5                 | 489                    |
| 10x2x0,75                                      | 20,7                        | 159,4                | 669                    |
| 12x2x0,75                                      | 22,0                        | 190,3                | 823                    |
| 16x2x0,75                                      | 23,9                        | 252,2                | 972                    |
| 20x2x0,75                                      | 26,4                        | 314,0                | 1.154                  |
| 24x2x0,75                                      | 28,8                        | 375,9                | 1.307                  |
| 30x2x0,75                                      | 30,3                        | 468,7                | 1.469                  |
| 1x3x0,75                                       | 10,8                        | 27,9                 | 223                    |
| 3x3x0,75                                       | 14,9                        | 74,3                 | 387                    |
| 6x3x0,75                                       | 18,4                        | 143,9                | 581                    |
| 10x3x0,75                                      | 23,5                        | 236,7                | 944                    |
| 12x3x0,75                                      | 24,3                        | 283,1                | 1.018                  |

| Number cores and mm <sup>2</sup> per conductor | Approx. Outer Diameter (mm) | Copper index (kg/km) | Approx. Weight (kg/km) |
|--|-----------------------------|----------------------|------------------------|
| <b>ÖLFLEX® INSTRUM SWA 280 H</b>               |                             |                      |                        |
| 1x2x1  | 11,0                        | 25,6                 | 224                    |
| 2x2x1  | 14,2                        | 46,5                 | 346                    |
| 6x2x1  | 18,2                        | 130,1                | 557                    |
| 10x2x1   | 23,2                        | 213,6                | 903                    |
| 12x2x1   | 23,8                        | 255,4                | 958                    |
| 16x2x1   | 25,9                        | 338,9                | 1.138                  |
| 20x2x1   | 28,6                        | 422,5                | 1.357                  |
| 24x2x1   | 31,2                        | 506,0                | 1.543                  |
| 30x2x1   | 33,9                        | 631,4                | 1.941                  |
| 1x3x1  | 11,3                        | 36,1                 | 244                    |
| 3x3x1  | 15,9                        | 98,7                 | 437                    |
| 6x3x1  | 20,0                        | 192,7                | 682                    |
| 10x3x1   | 25,4                        | 318,0                | 1.103                  |
| 12x3x1   | 26,3                        | 380,7                | 1.198                  |
| 1x2x1,5  | 11,8                        | 36,5                 | 257                    |
| 2x2x1,5  | 15,6                        | 68,2                 | 411                    |
| 6x2x1,5  | 20,7                        | 195,1                | 710                    |
| 10x2x1,5                                       | 26,4                        | 322,1                | 1.146                  |
| 12x2x1,5                                       | 27,1                        | 385,5                | 1.223                  |
| 16x2x1,5                                       | 29,8                        | 512,5                | 1.484                  |
| 20x2x1,5                                       | 33,7                        | 639,4                | 1.959                  |
| 24x2x1,5                                       | 36,9                        | 766,3                | 2.244                  |
| 30x2x1,5                                       | 38,9                        | 956,7                | 2.537                  |
| 1x3x1,5  | 12,5                        | 52,3                 | 291                    |
| 3x3x1,5  | 18,0                        | 147,5                | 553                    |
| 6x3x1,5  | 23,5                        | 290,3                | 1.002                  |
| 10x3x1,5                                       | 29,0                        | 480,7                | 1.420                  |
| 12x3x1,5                                       | 30,0                        | 575,9                | 1.550                  |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Photographs are not to scale and do not represent detailed images of the respective products

**AVAILABLE ALSO IN:** Conductor Class 5, Tinned conductor, Armour SWB, other colors