



ÖLFLEX® INSTRUM 165 H

Individual and overall screened instrumentation cable
CU/LSZH/IS/OS/LSZH



Info

**RM9XHOHM 1 300 V
EN 50288-7**

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Halogen free
- Low smoke
- Fire behaviour
- Oil resistant

Product features

Twisted pair or triad signal cable, individual and overall screened, LSZH 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:** LSZH
- **Screen:** IS/OS Aluminum/PET + TC Drain 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:**
100 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:**
8 x Outer Diameter

| Number cores and mm ² per conductor | Approx. Outer Diameter (mm) | Copper index (kg/km) | Approx. Weight (kg/km) |
|--|-----------------------------|----------------------|------------------------|
| ÖLFLEX® INSTRUM 165 H | | | |
| 2x2x0,5 | 8,3 | 35,7 | 86 |
| 6x2x0,5 | 11,8 | 97,7 | 195 |
| 10x2x0,5 | 15,2 | 159,7 | 300 |
| 12x2x0,5 | 15,7 | 190,6 | 337 |
| 16x2x0,5 | 17,6 | 252,6 | 442 |
| 20x2x0,5 | 19,5 | 314,6 | 547 |
| 24x2x0,5 | 21,9 | 376,6 | 646 |
| 30x2x0,5 | 23,3 | 469,5 | 783 |
| 3x3x0,5 | 9,9 | 66,7 | 132 |
| 6x3x0,5 | 13,1 | 128,7 | 246 |
| 10x3x0,5 | 16,9 | 211,3 | 382 |
| 12x3x0,5 | 17,7 | 252,6 | 440 |
| 2x2x0,75 | 9,5 | 46,0 | 110 |
| 6x2x0,75 | 13,3 | 128,5 | 244 |
| 10x2x0,75 | 17,4 | 211,0 | 386 |
| 12x2x0,75 | 18,0 | 252,3 | 434 |
| 16x2x0,75 | 20,1 | 334,8 | 569 |
| 20x2x0,75 | 22,4 | 417,3 | 706 |
| 24x2x0,75 | 25,1 | 499,8 | 832 |
| 30x2x0,75 | 26,8 | 623,6 | 1.008 |
| 3x3x0,75 | 11,1 | 89,8 | 166 |
| 6x3x0,75 | 15,0 | 174,9 | 321 |
| 10x3x0,75 | 19,4 | 288,3 | 501 |
| 12x3x0,75 | 20,3 | 345,1 | 577 |

| Number cores and mm ² per conductor | Approx. Outer Diameter (mm) | Copper index (kg/km) | Approx. Weight (kg/km) |
|--|-----------------------------|----------------------|------------------------|
| ÖLFLEX® INSTRUM 165 H | | | |
| 2x2x1 | 10,3 | 56,8 | 130 |
| 6x2x1 | 14,8 | 161,0 | 299 |
| 10x2x1 | 19,0 | 265,3 | 462 |
| 12x2x1 | 19,7 | 317,4 | 520 |
| 16x2x1 | 22,1 | 421,6 | 684 |
| 20x2x1 | 24,8 | 525,8 | 864 |
| 24x2x1 | 27,8 | 630,0 | 1.017 |
| 30x2x1 | 29,6 | 786,3 | 1.233 |
| 3x3x1 | 12,4 | 114,2 | 205 |
| 6x3x1 | 16,4 | 223,7 | 389 |
| 10x3x1 | 21,5 | 369,7 | 619 |
| 12x3x1 | 22,2 | 442,7 | 702 |
| 2x2x1,5 | 12,0 | 78,5 | 173 |
| 6x2x1,5 | 17,2 | 226,1 | 403 |
| 10x2x1,5 | 22,2 | 373,7 | 625 |
| 12x2x1,5 | 23,2 | 447,5 | 716 |
| 16x2x1,5 | 26,0 | 595,1 | 940 |
| 20x2x1,5 | 29,2 | 742,7 | 1.186 |
| 24x2x1,5 | 32,7 | 890,3 | 1.394 |
| 30x2x1,5 | 34,8 | 1111,6 | 1.689 |
| 3x3x1,5 | 14,4 | 163,0 | 279 |
| 6x3x1,5 | 19,2 | 321,3 | 534 |
| 10x3x1,5 | 25,1 | 532,4 | 849 |
| 12x3x1,5 | 26,2 | 637,9 | 979 |

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, other colors