



## ÖLFLEX® INSTRUM SWA 173

Armoured, Individual and Overall screened instrumentation cable  
CU/PVC/IS/OS/PVC/SWA/PVC



### Info

**RRXHOHRFR 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, individual and overall screened, PVC insulated and PVC jacketed

### Norm references / Approvals

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

### Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** PVC
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Inner sheath:** PVC
- **Armour:** Galvanized Steel Wire
- **Outer sheath:** PVC, 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:**  
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 173</b>			
2x2x0,5	13,1	35,7	302
6x2x0,5	16,9	97,7	495
10x2x0,5	20,4	159,7	684
12x2x0,5	20,9	190,6	732
16x2x0,5	23,5	252,6	1.001
20x2x0,5	25,7	314,6	1.175
24x2x0,5	28,3	376,6	1.354
30x2x0,5	29,8	469,5	1.534
3x3x0,5	14,7	66,7	383
6x3x0,5	18,1	128,7	574
10x3x0,5	22,9	211,3	922
12x3x0,5	23,6	252,6	1.003
2x2x0,75	14,3	46,0	352
6x2x0,75	18,4	128,5	578
10x2x0,75	23,4	211,0	941
12x2x0,75	24,0	252,3	1.005
16x2x0,75	26,3	334,8	1.214
20x2x0,75	28,8	417,3	1.431
24x2x0,75	31,5	499,8	1.635
30x2x0,75	34,1	623,6	2.058
3x3x0,75	16,0	89,8	444
6x3x0,75	20,3	174,9	702
10x3x0,75	25,6	288,3	1.124
12x3x0,75	26,5	345,1	1.225

Number cores and mm <sup>2</sup> per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
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2x2x1	15,1	56,8	389
6x2x1	19,8	161,0	664
10x2x1	25,2	265,3	1.075
12x2x1	25,9	317,4	1.152
16x2x1	28,5	421,6	1.399
20x2x1	31,2	525,8	1.659
24x2x1	35,1	630,0	2.101
30x2x1	37,2	786,3	2.401
3x3x1	17,4	114,2	517
6x3x1	22,4	223,7	917
10x3x1	27,7	369,7	1.303
12x3x1	28,6	442,7	1.421
2x2x1,5	17,0	78,5	478
6x2x1,5	23,2	226,1	953
10x2x1,5	28,6	373,7	1.344
12x2x1,5	29,6	447,5	1.463
16x2x1,5	32,6	595,1	1.785
20x2x1,5	36,8	742,7	2.340
24x2x1,5	40,4	890,3	2.691
30x2x1,5	42,6	1111,6	3.065
3x3x1,5	19,4	163,0	636
6x3x1,5	25,4	321,3	1.152
10x3x1,5	31,5	532,4	1.652
12x3x1,5	32,8	637,9	1.828

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, DSTA, other colors