



## ÖLFLEX® INSTRUM SWA 172

Armoured, Overall screened instrumentation cable  
CU/PVC/OS/PVC/SWA/PVC



Info

**RRXOHRFR 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, 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:** 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 172</b>			
1x2x0,5	9,8	15,1	179
2x2x0,5	12,3	25,4	267
6x2x0,5	15,3	66,7	405
10x2x0,5	18,5	108,0	552
12x2x0,5	18,9	128,7	585
16x2x0,5	20,8	170,0	706
20x2x0,5	23,5	211,3	954
24x2x0,5	25,5	252,6	1.079
30x2x0,5	26,9	314,6	1.211
1x3x0,5	10,0	20,2	193
3x3x0,5	13,8	51,2	337
6x3x0,5	16,9	97,7	496
10x3x0,5	20,4	159,7	685
12x3x0,5	20,9	190,6	733
1x2x0,75	10,5	20,2	206
2x2x0,75	13,3	35,7	306
6x2x0,75	17,1	97,5	499
10x2x0,75	20,7	159,4	687
12x2x0,75	22,0	190,3	844
16x2x0,75	23,9	252,2	1.002
20x2x0,75	26,4	314,0	1.192
24x2x0,75	28,8	375,9	1.353
30x2x0,75	30,3	468,7	1.528
1x3x0,75	10,8	27,9	224
3x3x0,75	14,9	74,3	394
6x3x0,75	18,4	143,9	597
10x3x0,75	23,5	236,7	972
12x3x0,75	24,3	283,1	1.052

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 172</b>			
1x2x1	11,0	25,6	224
2x2x1	14,2	46,5	349
6x2x1	18,2	130,1	569
10x2x1	23,2	213,6	925
12x2x1	23,8	255,4	985
16x2x1	25,9	338,9	1.174
20x2x1	28,6	422,5	1.403
24x2x1	31,2	506,0	1.599
30x2x1	33,9	631,4	2.012
1x3x1	11,3	36,1	246
3x3x1	15,9	98,7	446
6x3x1	20,0	192,7	701
10x3x1	25,4	318,0	1.137
12x3x1	26,3	380,7	1.239
1x2x1,5	11,8	36,5	258
2x2x1,5	15,6	68,2	415
6x2x1,5	20,7	195,1	727
10x2x1,5	26,4	322,1	1.176
12x2x1,5	27,1	385,5	1.260
16x2x1,5	29,8	512,5	1.535
20x2x1,5	33,7	639,4	2.022
24x2x1,5	36,9	766,3	2.320
30x2x1,5	38,9	956,7	2.634
1x3x1,5	12,5	52,3	294
3x3x1,5	18,0	147,5	566
6x3x1,5	23,5	290,3	1.029
10x3x1,5	29,0	480,7	1.467
12x3x1,5	30,0	575,9	1.608

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