



## ÖLFLEX® INSTRUM 175 IS

Individual and overall screened instrumentation cable for intrinsically safe circuits  
CU/XLPE/IS/OS/PVC



Info

**RE4XHOHR 300 V  
EN 50288-7**

**Benefits**

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

**Product features**

Twisted pair or triad signal cable, individual and overall screened, XLPE 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:** XLPE
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Outer sheath:** PVC, blue RAL 5015

**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:**  
8 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 175 IS</b>			
2x2x0,5	8,3	35,7	83
6x2x0,5	11,8	97,7	185
10x2x0,5	15,2	159,7	284
12x2x0,5	15,7	190,6	317
16x2x0,5	17,6	252,6	415
20x2x0,5	19,5	314,6	514
24x2x0,5	21,9	376,6	606
30x2x0,5	23,3	469,5	732
3x3x0,5	9,9	66,7	124
6x3x0,5	13,1	128,7	230
10x3x0,5	16,9	211,3	357
12x3x0,5	17,7	252,6	410
2x2x0,75	9,5	46,0	106
6x2x0,75	13,3	128,5	231
10x2x0,75	17,4	211,0	365
12x2x0,75	18,0	252,3	408
16x2x0,75	20,1	334,8	534
20x2x0,75	22,4	417,3	663
24x2x0,75	25,1	499,8	780
30x2x0,75	26,8	623,6	943
3x3x0,75	11,1	89,8	156
6x3x0,75	15,0	174,9	302
10x3x0,75	19,4	288,3	468
12x3x0,75	20,3	345,1	538

Number cores and mm <sup>2</sup> per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
<b>ÖLFLEX® INSTRUM 175 IS</b>			
2x2x1	10,3	56,8	124
6x2x1	14,8	161,0	283
10x2x1	19,0	265,3	436
12x2x1	19,7	317,4	489
16x2x1	22,1	421,6	643
20x2x1	24,8	525,8	812
24x2x1	27,8	630,0	955
30x2x1	29,6	786,3	1.155
3x3x1	12,4	114,2	193
6x3x1	16,4	223,7	366
10x3x1	21,5	369,7	580
12x3x1	22,2	442,7	656
2x2x1,5	12,0	78,5	166
6x2x1,5	17,2	226,1	382
10x2x1,5	22,2	373,7	589
12x2x1,5	23,2	447,5	673
16x2x1,5	26,0	595,1	884
20x2x1,5	29,2	742,7	1.116
24x2x1,5	32,7	890,3	1.310
30x2x1,5	34,8	1111,6	1.583
3x3x1,5	14,4	163,0	263
6x3x1,5	19,2	321,3	502
10x3x1,5	25,1	532,4	797
12x3x1,5	26,2	637,9	915

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