



ÖLFLEX® INSTRUM 174 IS

Overall screened instrumentation cable for intrinsically safe circuits
CU/XLPE/OS/PVC



Info

**RE4XOHR 300 V
EN 50288-7**

Benefits

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

Product features

Twisted pair or triad signal cable, 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:** 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 ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM 174 IS			
1x2x0,5	5,1	15,1	34
2x2x0,5	7,5	25,4	65
6x2x0,5	10,5	66,7	132
10x2x0,5	13,4	108,0	199
12x2x0,5	13,9	128,7	219
16x2x0,5	15,6	170,0	286
20x2x0,5	17,5	211,3	363
24x2x0,5	19,4	252,6	416
30x2x0,5	20,7	314,6	500
1x3x0,5	5,4	20,2	41
3x3x0,5	9,0	51,2	99
6x3x0,5	11,8	97,7	181
10x3x0,5	15,2	159,7	276
12x3x0,5	15,7	190,6	307
1x2x0,75	5,9	20,2	45
2x2x0,75	8,4	35,7	83
6x2x0,75	12,1	97,5	180
10x2x0,75	15,5	159,4	274
12x2x0,75	16,0	190,3	303
16x2x0,75	18,0	252,2	396
20x2x0,75	20,2	314,0	502
24x2x0,75	22,4	375,9	578
30x2x0,75	23,9	468,7	695
1x3x0,75	6,2	27,9	55
3x3x0,75	10,1	74,3	129
6x3x0,75	13,4	143,9	242
10x3x0,75	17,5	236,7	381
12x3x0,75	18,1	283,1	427

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM 174 IS			
1x2x1	6,4	25,6	52
2x2x1	9,4	46,5	104
6x2x1	13,2	130,1	223
10x2x1	17,2	213,6	349
12x2x1	17,8	255,4	388
16x2x1	19,7	338,9	499
20x2x1	22,2	422,5	633
24x2x1	24,8	506,0	742
30x2x1	26,5	631,4	894
1x3x1	6,7	36,1	65
3x3x1	11,0	98,7	159
6x3x1	14,9	192,7	309
10x3x1	19,2	318,0	479
12x3x1	20,1	380,7	549
1x2x1,5	7,2	36,5	67
2x2x1,5	10,8	68,2	138
6x2x1,5	15,5	195,1	315
10x2x1,5	20,2	322,1	494
12x2x1,5	20,9	385,5	552
16x2x1,5	23,4	512,5	725
20x2x1,5	26,3	639,4	919
24x2x1,5	29,4	766,3	1.076
30x2x1,5	31,4	956,7	1.299
1x3x1,5	7,6	52,3	87
3x3x1,5	13,0	147,5	224
6x3x1,5	17,5	290,3	440
10x3x1,5	22,6	480,7	685
12x3x1,5	23,6	575,9	786

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