



## ÖLFLEX® INSTRUM 171

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



**Info**

**RRXHOHR 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, 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
- **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:**  
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)
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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 <sup>2</sup> per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
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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, timed conductor, other colors