



ÖLFLEX® INSTRUM F90 379 H

Fire resistant, individual and overall screened instrumentation cable LSZH CU/MT/XLPE/IS/OS/LSZH



Info

RTE4XHOHM 1 300 V
EN 50288-7
IEC 60331-23

Benefits

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

Product features

Twisted pair or triad signal cable, individual and overall screened, XLPE over MICA-tape insulated and LSZH jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Smoke**
IEC 61034-1 and 2
- **Halogen acid gas**
IEC 60754-1 and 2
- **Fire behaviour**
IEC 60332-1-2
IEC 60332-3-22 (Cat. A)
IEC 60331-23 (90 min./750°C)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE, over MICA-tape wrapped conductor
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Outer sheath:** LSZH, black

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 U₀/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 F90 379 H			
2x2x0,5	10,6	35,7	114
6x2x0,5	15,3	97,7	247
10x2x0,5	19,7	159,7	374
12x2x0,5	20,6	190,6	422
16x2x0,5	23,1	252,6	550
20x2x0,5	25,9	314,6	696
24x2x0,5	29,0	376,6	813
30x2x0,5	30,7	469,5	957
3x3x0,5	12,8	66,7	165
6x3x0,5	17,2	128,7	318
10x3x0,5	22,2	211,3	483
12x3x0,5	23,2	252,6	548
2x2x0,75	11,6	46,0	139
6x2x0,75	16,4	128,5	293
10x2x0,75	21,5	211,0	456
12x2x0,75	22,2	252,3	504
16x2x0,75	24,9	334,8	659
20x2x0,75	28,0	417,3	835
24x2x0,75	31,5	499,8	991
30x2x0,75	33,4	623,6	1.170
3x3x0,75	13,7	89,8	197
6x3x0,75	18,6	174,9	382
10x3x0,75	24,2	288,3	597
12x3x0,75	25,1	345,1	666

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM F90 379 H			
2x2x1	12,3	56,8	157
6x2x1	17,7	161,0	346
10x2x1	23,0	265,3	539
12x2x1	23,8	317,4	597
16x2x1	26,7	421,6	781
20x2x1	30,0	525,8	988
24x2x1	33,6	630,0	1.154
30x2x1	35,8	786,3	1.386
3x3x1	14,8	114,2	235
6x3x1	19,7	223,7	446
10x3x1	26,0	369,7	713
12x3x1	26,9	442,7	797
2x2x1,5	13,8	78,5	196
6x2x1,5	20,1	226,1	453
10x2x1,5	26,2	373,7	706
12x2x1,5	27,1	447,5	784
16x2x1,5	30,4	595,1	1.028
20x2x1,5	34,4	742,7	1.319
24x2x1,5	38,5	890,3	1.539
30x2x1,5	41,0	1111,6	1.849
3x3x1,5	16,6	163,0	302
6x3x1,5	22,5	321,3	594
10x3x1,5	29,6	532,4	947
12x3x1,5	30,6	637,9	1.063

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 COPPER conductor, other colors