



ÖLFLEX® INSTRUM F90 378 H

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



Info

RTE4XOHM 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, 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:** 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 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 F90 378 H			
1x2x0,5	6,6	15,1	47
2x2x0,5	9,7	25,4	93
6x2x0,5	13,7	66,7	185
10x2x0,5	17,8	108,0	285
12x2x0,5	18,4	128,7	308
16x2x0,5	20,7	170,0	401
20x2x0,5	23,3	211,3	511
24x2x0,5	26,0	252,6	593
30x2x0,5	27,5	314,6	690
1x3x0,5	6,9	20,2	56
3x3x0,5	11,6	51,2	135
6x3x0,5	15,4	97,7	251
10x3x0,5	20,1	159,7	389
12x3x0,5	20,8	190,6	427
1x2x0,75	7,0	20,2	54
2x2x0,75	10,4	35,7	111
6x2x0,75	15,0	97,5	235
10x2x0,75	19,3	159,4	352
12x2x0,75	20,2	190,3	395
16x2x0,75	22,4	252,2	504
20x2x0,75	25,2	314,0	642
24x2x0,75	28,1	375,9	747
30x2x0,75	30,0	468,7	890
1x3x0,75	7,4	27,9	67
3x3x0,75	12,5	74,3	166
6x3x0,75	16,7	143,9	312
10x3x0,75	21,8	236,7	487
12x3x0,75	22,5	283,1	539

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM F90 378 H			
1x2x1	7,4	25,6	62
2x2x1	11,0	46,5	128
6x2x1	15,9	130,1	278
10x2x1	20,7	213,6	430
12x2x1	21,4	255,4	472
16x2x1	24,0	338,9	619
20x2x1	27,0	422,5	786
24x2x1	30,2	506,0	915
30x2x1	32,2	631,4	1,094
1x3x1	7,8	36,1	77
3x3x1	13,3	98,7	196
6x3x1	17,9	192,7	382
10x3x1	23,4	318,0	597
12x3x1	24,2	380,7	664
1x2x1,5	8,2	36,5	78
2x2x1,5	12,6	68,2	171
6x2x1,5	18,2	195,1	378
10x2x1,5	23,7	322,1	587
12x2x1,5	24,5	385,5	649
16x2x1,5	27,5	512,5	852
20x2x1,5	30,9	639,4	1,083
24x2x1,5	34,8	766,3	1,279
30x2x1,5	37,1	956,7	1,532
1x3x1,5	8,9	52,3	104
3x3x1,5	15,2	147,5	267
6x3x1,5	20,5	290,3	524
10x3x1,5	26,8	480,7	821
12x3x1,5	27,7	575,9	919

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