



ÖLFLEX® INSTRUM SWA F90 380 H

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



Info

RTE4XOHM1FM1 300 V
EN 50288-7
IEC 60331-23

Benefits

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

Product features

Armoured 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
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized Steel 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 U_o/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:**
10 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA F90 380 H			
1x2x0,5	11,2	15,1	221
2x2x0,5	14,5	25,4	341
6x2x0,5	18,7	66,7	527
10x2x0,5	23,8	108,0	852
12x2x0,5	24,6	128,7	905
16x2x0,5	26,9	170,0	1.062
20x2x0,5	29,7	211,3	1.259
24x2x0,5	32,6	252,6	1.436
30x2x0,5	34,9	314,6	1.764
1x3x0,5	11,5	20,2	238
3x3x0,5	16,7	51,2	433
6x3x0,5	20,7	97,7	642
10x3x0,5	26,3	159,7	1.034
12x3x0,5	27,0	190,6	1.092
1x2x0,75	11,6	20,2	238
2x2x0,75	15,3	35,7	374
6x2x0,75	20,0	97,5	605
10x2x0,75	25,5	159,4	974
12x2x0,75	26,3	190,3	1.040
16x2x0,75	28,8	252,2	1.228
20x2x0,75	31,6	314,0	1.446
24x2x0,75	35,5	375,9	1.844
30x2x0,75	37,6	468,7	2.072
1x3x0,75	12,0	27,9	259
3x3x0,75	17,6	74,3	482
6x3x0,75	22,7	143,9	848
10x3x0,75	28,2	236,7	1.194
12x3x0,75	28,9	283,1	1.268

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA F90 380 H			
1x2x1	12,0	25,6	254
2x2x1	15,9	46,5	404
6x2x1	21,9	130,1	791
10x2x1	26,9	213,6	1.092
12x2x1	27,6	255,4	1.155
16x2x1	30,4	338,9	1.390
20x2x1	34,4	422,5	1.844
24x2x1	37,8	506,0	2.104
30x2x1	39,8	631,4	2.354
1x3x1	12,6	36,1	285
3x3x1	18,3	98,7	529
6x3x1	23,9	192,7	953
10x3x1	29,8	318,0	1.350
12x3x1	30,6	380,7	1.441
1x2x1,5	13,0	36,5	294
2x2x1,5	17,7	68,2	490
6x2x1,5	24,4	195,1	967
10x2x1,5	30,1	322,1	1.349
12x2x1,5	30,9	385,5	1.434
16x2x1,5	34,8	512,5	1.926
20x2x1,5	38,5	639,4	2.297
24x2x1,5	42,5	766,3	2.650
30x2x1,5	45,9	956,7	3.291
1x3x1,5	13,8	52,3	335
3x3x1,5	20,4	147,5	652
6x3x1,5	26,7	290,3	1.180
10x3x1,5	34,1	480,7	1.869
12x3x1,5	35,0	575,9	2.000

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, Armour SWB, other colors