



ÖLFLEX® INSTRUM SWA F90 381 H

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



Info

RTE4XHOHM1FM1 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, 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
- **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 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:**
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 381 H			
2x2x0,5	15,5	35,7	382
6x2x0,5	20,5	97,7	634
10x2x0,5	25,9	159,7	1.007
12x2x0,5	26,8	190,6	1.080
16x2x0,5	29,5	252,6	1.294
20x2x0,5	32,6	314,6	1.538
24x2x0,5	36,5	376,6	1.957
30x2x0,5	38,3	469,5	2.163
3x3x0,5	17,8	66,7	488
6x3x0,5	23,2	128,7	868
10x3x0,5	28,6	211,3	1.203
12x3x0,5	29,6	252,6	1.295
2x2x0,75	16,7	46,0	435
6x2x0,75	22,4	128,5	822
10x2x0,75	27,7	211,0	1.140
12x2x0,75	28,6	252,3	1.223
16x2x0,75	31,3	334,8	1.456
20x2x0,75	35,4	417,3	1.928
24x2x0,75	39,1	499,8	2.226
30x2x0,75	41,2	623,6	2.493
3x3x0,75	18,8	89,8	540
6x3x0,75	24,8	174,9	982
10x3x0,75	30,6	288,3	1.375
12x3x0,75	31,5	345,1	1.467

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA F90 381 H			
2x2x1	17,3	56,8	468
6x2x1	23,6	161,0	909
10x2x1	29,4	265,3	1.281
12x2x1	30,2	317,4	1.362
16x2x1	34,1	421,6	1.827
20x2x1	37,6	525,8	2.170
24x2x1	41,3	630,0	2.482
30x2x1	43,6	786,3	2.793
3x3x1	19,8	114,2	601
6x3x1	25,9	223,7	1.079
10x3x1	32,6	369,7	1.556
12x3x1	34,2	442,7	1.849
2x2x1,5	18,8	78,5	541
6x2x1,5	26,3	226,1	1.098
10x2x1,5	32,8	373,7	1.556
12x2x1,5	34,5	447,5	1.846
16x2x1,5	38,0	595,1	2.224
20x2x1,5	42,2	742,7	2.677
24x2x1,5	47,3	890,3	3.358
30x2x1,5	50,0	1111,6	3.801
3x3x1,5	22,6	163,0	836
6x3x1,5	28,9	321,3	1.320
10x3x1,5	37,2	532,4	2.113
12x3x1,5	38,2	637,9	2.267

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