



ÖLFLEX® INSTRUM SWA 281 H

Armoured individual and overall screened instrumentation cable LSZH CU/XLPE/IS/OS/LSZH/SWA/LSZH



Info

**RE4XHOHM1FM1 300 V
EN 50288-7**

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 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)

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **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 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:**
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 281 H			
2x2x0,5	13,1	35,7	301
6x2x0,5	16,9	97,7	488
10x2x0,5	20,4	159,7	671
12x2x0,5	20,9	190,6	716
16x2x0,5	23,5	252,6	979
20x2x0,5	25,7	314,6	1.147
24x2x0,5	28,3	376,6	1.320
30x2x0,5	29,8	469,5	1.490
3x3x0,5	14,7	66,7	378
6x3x0,5	18,1	128,7	562
10x3x0,5	22,9	211,3	902
12x3x0,5	23,6	252,6	977
2x2x0,75	14,3	46,0	350
6x2x0,75	18,4	128,5	568
10x2x0,75	23,4	211,0	923
12x2x0,75	24,0	252,3	983
16x2x0,75	26,3	334,8	1.184
20x2x0,75	28,8	417,3	1.394
24x2x0,75	31,5	499,8	1.589
30x2x0,75	34,1	623,6	2.000
3x3x0,75	16,0	89,8	437
6x3x0,75	20,3	174,9	687
10x3x0,75	25,6	288,3	1.097
12x3x0,75	26,5	345,1	1.191

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA 281 H			
2x2x1	15,1	56,8	387
6x2x1	19,8	161,0	652
10x2x1	25,2	265,3	1.055
12x2x1	25,9	317,4	1.127
16x2x1	28,5	421,6	1.363
20x2x1	31,2	525,8	1.614
24x2x1	35,1	630,0	2.047
30x2x1	37,2	786,3	2.331
3x3x1	17,4	114,2	509
6x3x1	22,4	223,7	898
10x3x1	27,7	369,7	1.269
12x3x1	28,6	442,7	1.380
2x2x1,5	17,0	78,5	474
6x2x1,5	23,2	226,1	936
10x2x1,5	28,6	373,7	1.314
12x2x1,5	29,6	447,5	1.427
16x2x1,5	32,6	595,1	1.735
20x2x1,5	36,8	742,7	2.278
24x2x1,5	40,4	890,3	2.616
30x2x1,5	42,6	1111,6	2.969
3x3x1,5	19,4	163,0	624
6x3x1,5	25,4	321,3	1.126
10x3x1,5	31,5	532,4	1.606
12x3x1,5	32,8	637,9	1.772

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, Armour SWB, other colors