



ÖLFLEX® INSTRUM SWA AL/HDPE/PA 183

Armoured, AL/HDPE/PA jacketed,
Individual and Overall screened instrumentation cable
CU/XLPE/IS/AL/HDPE/PA/SWA/PVC



Info

**RE4XHOH5ER4FR 300 V
EN 50288-7**

Benefits

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

Product features

Armoured, AL/HDPE/PA jacketed, twisted pair or triad signal cable, individual and overall screened, XLPE insulated and PVC jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Halogen acid gas**
IEC 60754-1 (max 20%)
- **Fire behaviour**
IEC 60332-1-2

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Screen:** IS Aluminum/PET + TC Drain wire, OS Aluminum longitudinal tape (AL) + TC Drain wire
- **Chemical Barrier:** AL/HDPE/PA
- **Armour:** Galvanized Steel Wire
- **Outer sheath:** PVC, 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 AL/HDPE/PA 183			
2x2x0,5	14,7	35,7	349
6x2x0,5	18,2	97,7	530
10x2x0,5	21,8	159,7	714
12x2x0,5	23,0	190,6	878
16x2x0,5	25,1	252,6	1.040
20x2x0,5	27,1	314,6	1.197
24x2x0,5	29,6	376,6	1.368
30x2x0,5	31,1	469,5	1.535
3x3x0,5	16,3	66,7	426
6x3x0,5	19,5	128,7	605
10x3x0,5	24,5	211,3	964
12x3x0,5	25,2	252,6	1.038
2x2x0,75	15,7	46,0	391
6x2x0,75	19,7	128,5	611
10x2x0,75	25,0	211,0	984
12x2x0,75	25,5	252,3	1.045
16x2x0,75	27,7	334,8	1.232
20x2x0,75	30,2	417,3	1.442
24x2x0,75	33,1	499,8	1.650
30x2x0,75	35,5	623,6	2.049
3x3x0,75	17,6	89,8	487
6x3x0,75	21,7	174,9	729
10x3x0,75	27,0	288,3	1.147
12x3x0,75	27,8	345,1	1.239

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA AL/HDPE/PA 183			
2x2x1	16,7	56,8	436
6x2x1	21,4	161,0	704
10x2x1	26,6	265,3	1.105
12x2x1	27,3	317,4	1.177
16x2x1	29,9	421,6	1.411
20x2x1	32,8	525,8	1.674
24x2x1	36,7	630,0	2.113
30x2x1	38,6	786,3	2.376
3x3x1	18,8	114,2	551
6x3x1	23,8	223,7	949
10x3x1	29,3	369,7	1.331
12x3x1	30,0	442,7	1.428
2x2x1,5	18,4	78,5	515
6x2x1,5	24,8	226,1	996
10x2x1,5	30,0	373,7	1.363
12x2x1,5	31,0	447,5	1.472
16x2x1,5	34,7	595,1	1.962
20x2x1,5	38,2	742,7	2.323
24x2x1,5	41,8	890,3	2.654
30x2x1,5	44,2	1111,6	3.022
3x3x1,5	21,0	163,0	675
6x3x1,5	26,8	321,3	1.176
10x3x1,5	33,1	532,4	1.666
12x3x1,5	34,9	637,9	1.999

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