



ÖLFLEX® CONTROL SWA AL/HDPE/PA 186

Armoured, AL/HDPE/PA jacketed, Overall screened control cable
CU/XLPE/AL/HDPE/PA/SWA/PVC



Info

**RE4OH5ER4FR 500 V
EN 50288-7**

Benefits

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

Product features

Armoured, AL/HDPE/PA jacketed, multi-core cable, 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:** 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:**
Black with printed numbers
-  **Insulation resistance:**
5000 MOhm x km
-  **Conductor stranding:**
Class 2 IEC 60228
-  **Nominal Voltage U₀/U:**
500 V
-  **Test voltage:**
C/C 2000 V x 1 minute
-  **Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
-  **Minimum Bending Radius:**
15 x Outer Diameter

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SWA AL/HDPE/PA 186			
2 x 1	13,4	25,6	294
3 x 1	13,8	36,1	318
4 x 1	14,5	46,5	350
5 x 1	15,2	57,0	381
7 x 1	15,9	77,8	426
10 x 1	18,9	109,2	555
12 x 1	19,3	130,1	588
14 x 1	19,9	151,0	632
16 x 1	21,0	171,8	698
19 x 1	21,8	203,2	756
20 x 1	23,4	213,6	921
24 x 1	25,5	255,4	1.050
25 x 1	25,5	265,8	1.059
27 x 1	25,8	286,7	1.098
30 x 1	26,5	318,1	1.159
37 x 1	28,4	391,2	1.325
2 x 1,5	14,3	36,5	329
3 x 1,5	14,7	52,3	360
4 x 1,5	15,5	68,2	403
5 x 1,5	16,5	84,1	450
7 x 1,5	17,4	115,8	511
10 x 1,5	20,8	163,4	673
12 x 1,5	21,4	195,1	728
14 x 1,5	22,9	226,9	905

Number of cores and mm ² per conductor	Approx Outer Diameter (mm)	Copper index (kg/km)	Approx Weight (kg/km)
ÖLFLEX® CONTROL SWA AL/HDPE/PA 186			
16 x 1,5	23,7	258,6	973
19 x 1,5	25,0	306,2	1.080
20 x 1,5	26,0	322,1	1.143
24 x 1,5	28,4	385,5	1.308
25 x 1,5	28,4	401,4	1.321
27 x 1,5	28,8	433,1	1.374
30 x 1,5	29,6	480,7	1.458
37 x 1,5	31,5	591,8	1.663
2 x 2,5	15,6	55,4	386
3 x 2,5	16,4	80,8	439
4 x 2,5	17,3	106,2	498
5 x 2,5	18,5	131,5	561
7 x 2,5	19,6	182,2	648
10 x 2,5	24,5	258,3	1.003
12 x 2,5	25,3	309,0	1.085
14 x 2,5	26,2	359,7	1.176
16 x 2,5	27,2	410,4	1.273
19 x 2,5	28,7	486,5	1.420
20 x 2,5	29,9	511,9	1.508
24 x 2,5	32,7	613,3	1.732
25 x 2,5	32,7	638,6	1.754
27 x 2,5	33,3	689,3	1.831
30 x 2,5	35,1	765,4	2.155
37 x 2,5	37,7	942,9	2.481

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 DSTA, other colors