



ÖLFLEX® INSTRUM SC SWB F90 705 H

Fire resistant, armoured overall screened ship board instrumentation cable LSZH CU/MT/XLPE/OS/LSZH/SWB/LSZH



Info

RTE4XOHAM 1 150/250 V
IEC 60092-376
IEC 60331-21

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Halogen free
- Low smoke
- Oil resistant
- DNV Type Approval

Product features

Twisted pair or triad signal cable, 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)
IEC 60331-21 (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 braid
- **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:**
150/250 V
- Test voltage:**
C/C 1500 V x 5 minute
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- Minimum Bending Radius:**
8 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC SWB F90 705 H			
2 x 0,5	9,9	13,9	127
3 x 2 x 0,5	13,7	34,5	218
7 x 2 x 0,5	17,7	75,8	382
12 x 2 x 0,5	22,2	127,5	554
19 x 2 x 0,5	25,6	199,8	737
3 x 0,5	10,3	19,0	140
3 x 3 x 0,5	15,5	50,0	298
7 x 3 x 0,5	19,3	112,0	468
12 x 3 x 0,5	24,7	189,4	704
2 x 0,75	10,8	20,6	149
3 x 2 x 0,75	15,8	51,6	304
7 x 2 x 0,75	19,8	113,4	473
12 x 2 x 0,75	25,4	190,7	709
19 x 2 x 0,75	29,5	299,0	971
3 x 0,75	11,2	28,4	166
3 x 3 x 0,75	17,4	74,8	372
7 x 3 x 0,75	21,9	167,5	600
12 x 3 x 0,75	28,3	283,5	912

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC SWB F90 705 H			
2 x 1	11,2	28,6	162
3 x 2 x 1	16,5	70,4	336
7 x 2 x 1	20,9	153,9	544
12 x 2 x 1	26,9	258,4	819
19 x 2 x 1	31,1	404,6	1.115
3 x 1	11,8	39,1	189
3 x 3 x 1	18,2	101,7	415
7 x 3 x 1	23,2	227,1	695
12 x 3 x 1	30,0	383,7	1.064
2 x 1,5	12,4	39,5	197
3 x 2 x 1,5	18,6	102,9	418
7 x 2 x 1,5	23,7	229,9	697
12 x 2 x 1,5	30,7	388,5	1.065
19 x 2 x 1,5	36,2	610,7	1.525
3 x 1,5	13,0	55,3	227
3 x 3 x 1,5	20,5	150,5	524
7 x 3 x 1,5	26,4	340,9	905
12 x 3 x 1,5	34,9	578,9	1.454

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: Tinned copper conductors, tinned copper wire braid armour, Arctic version with operation between -60°C and +70°C



ÖLFLEX® INSTRUM SC SWB F90 706 H

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



Info

RTE4XHOHAM1 150/250 V
IEC 60092-376
IEC 60331-21

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Halogen free
- Low smoke
- Oil resistant
- DNV Type Approval

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 60331-21 (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 braid
- **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:**
150/250 V
- Test voltage:**
C/C 1500 V x 5 minute
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- Minimum Bending Radius:**
8 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC SWB F90 706 H			
3 x 2 x 0,5	15,3	45,1	290
7 x 2 x 0,5	19,1	100,5	451
12 x 2 x 0,5	24,4	169,8	676
19 x 2 x 0,5	28,1	266,8	913
3 x 3 x 0,5	16,6	60,6	337
7 x 3 x 0,5	21,0	136,7	551
12 x 3 x 0,5	27,0	231,8	834
3 x 2 x 0,75	17,0	67,1	349
7 x 2 x 0,75	21,6	149,6	570
12 x 2 x 0,75	27,8	252,7	863
19 x 2 x 0,75	32,4	397,1	1.196
3 x 3 x 0,75	18,7	90,2	420
7 x 3 x 0,75	23,9	203,7	703
12 x 3 x 0,75	30,9	345,5	1.076

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC SWB F90 706 H			
3 x 2 x 1	17,9	93,6	399
7 x 2 x 1	22,6	208,1	650
12 x 2 x 1	29,4	351,2	1.009
19 x 2 x 1	34,7	551,5	1.443
3 x 3 x 1	19,5	124,9	472
7 x 3 x 1	25,0	281,2	807
12 x 3 x 1	32,7	476,5	1.263
3 x 2 x 1,5	19,9	126,1	478
7 x 2 x 1,5	25,6	284,0	814
12 x 2 x 1,5	33,5	481,3	1.272
19 x 2 x 1,5	40,2	757,6	1.937
3 x 3 x 1,5	22,0	173,7	588
7 x 3 x 1,5	28,4	395,1	1.028
12 x 3 x 1,5	38,4	671,7	1.758

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