

ÖLFLEX® INSTRUM SC 707 H

Overall screened ship board instrumentation cable LSZH
CU/XLPE/OS/LSZH



Info

FE4XOHM 1 150/250 V
IEC 60092-376

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Halogen free
- Low smoke
- Oil resistant
- DNV, RINA, BV, LR 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)

Design

- **Conductor:** Flexible Annealed Copper
- **Core insulation:** XLPE
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Outer sheath:** LSZH, black

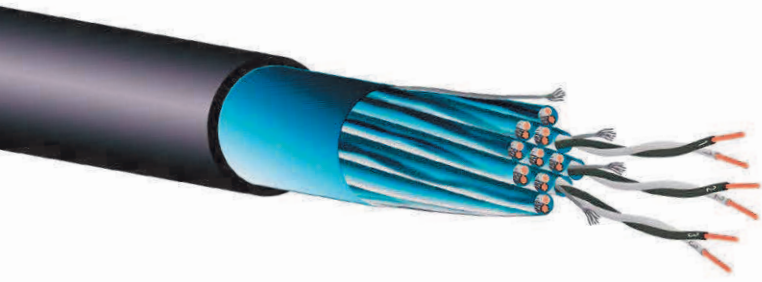
Technical data

- 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 5 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 707 H			
3 x 3 x 0,75	11,4	74,9	148
7 x 3 x 0,75	15,3	167,8	297
12 x 3 x 0,75	20,5	284,0	491
2 x 1	7,1	28,4	63
3 x 2 x 1	11,1	69,7	137
7 x 2 x 1	14,9	152,3	269
12 x 2 x 1	19,8	255,6	431
19 x 2 x 1	23,6	400,2	649
3 x 1	7,5	38,7	77
3 x 3 x 1	12,6	100,7	187
7 x 3 x 1	16,7	224,6	365
12 x 3 x 1	22,4	379,6	606
2 x 1,5	8,1	36,0	78
3 x 2 x 1,5	13,0	92,5	182
7 x 2 x 1,5	17,5	205,4	358
12 x 2 x 1,5	23,5	346,6	590
19 x 2 x 1,5	27,8	544,3	872
3 x 1,5	8,5	50,1	97
3 x 3 x 1,5	14,8	134,8	249
7 x 3 x 1,5	19,6	304,3	491
12 x 3 x 1,5	26,7	516,1	829

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 (but without BV Type Approval), Arctic version with operation between -60°C and +70°C



ÖLFLEX® INSTRUM SC 708 H

Individual and overall screened ship board instrumentation cable LSZH CU/XLPE/IS/OS/LSZH



Info

FE4XHOHM1 150/250 V
IEC 60092-376

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, 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:** Flexible Annealed Copper
- **Core insulation:** XLPE
- **Screen:** IS/OS Aluminum/PET + TC Drain 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 5 IEC 60228



Nominal Voltage U_o/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

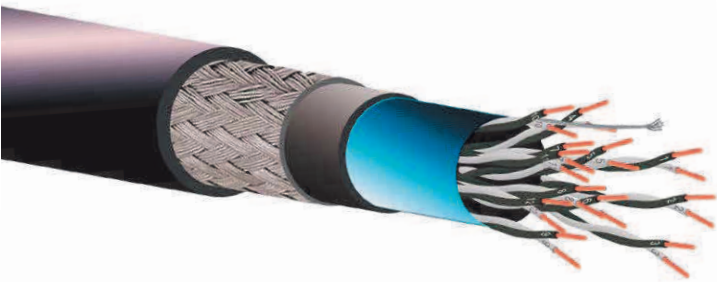


Minimum Bending Radius:
8 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC 708 H			
3 x 2 x 0,75	11,2	67,1	142
7 x 2 x 0,75	15,0	149,8	282
12 x 2 x 0,75	20,0	253,1	455
19 x 2 x 0,75	23,8	397,7	688
3 x 3 x 0,75	12,6	90,4	184
7 x 3 x 0,75	16,7	204,0	360
12 x 3 x 0,75	22,5	346,0	599
3 x 2 x 1	12,4	92,9	180
7 x 2 x 1	16,4	206,5	349
12 x 2 x 1	22,1	348,4	579
19 x 2 x 1	26,3	547,1	875
3 x 3 x 1	13,7	123,9	226
7 x 3 x 1	18,5	278,8	458
12 x 3 x 1	24,9	472,4	759
3 x 2 x 1,5	14,2	115,7	221
7 x 2 x 1,5	19,2	259,5	446
12 x 2 x 1,5	26,1	439,4	751
19 x 2 x 1,5	30,8	691,2	1.115
3 x 3 x 1,5	16,1	158,0	291
7 x 3 x 1,5	21,6	358,4	592
12 x 3 x 1,5	29,4	608,9	997

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AVAILABLE ALSO IN: Tinned copper conductors, Arctic version with operation between -60°C and +70°C



ÖLFLEX® INSTRUM SC SWB 709 H

Armoured overall screened ship board
instrumentation cable LSZH
CU/XLPE/OS/LSZH/SWB/LSZH



Info

FE4XOHAM 1 150/250 V
IEC 60092-376

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, 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:** Flexible Annealed Copper
- **Core insulation:** XLPE
- **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 5 IEC 60228



Nominal Voltage U₀/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

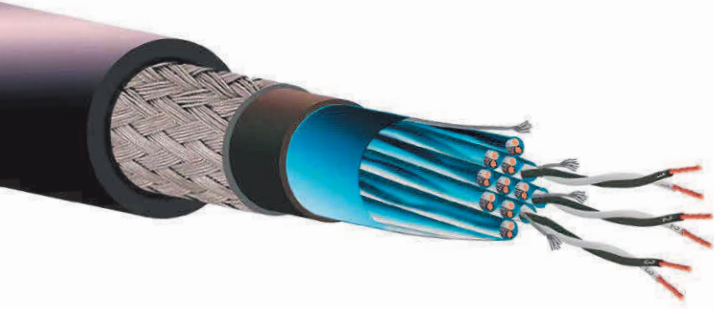


Minimum Bending Radius:
8 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC SWB 709 H			
3 x 3 x 0,75	15,1	74,9	308
7 x 3 x 0,75	18,8	167,8	494
12 x 3 x 0,75	24,0	284,0	749
2 x 1	10,3	28,4	145
3 x 2 x 1	14,9	69,7	294
7 x 2 x 1	18,5	152,3	462
12 x 2 x 1	23,6	255,6	694
19 x 2 x 1	27,2	400,2	945
3 x 1	10,6	38,7	163
3 x 3 x 1	16,2	100,7	353
7 x 3 x 1	20,5	224,6	590
12 x 3 x 1	26,2	379,6	901
2 x 1,5	11,2	36,0	168
3 x 2 x 1,5	16,6	92,5	353
7 x 2 x 1,5	21,1	205,4	582
12 x 2 x 1,5	27,1	346,6	885
19 x 2 x 1,5	31,6	544,3	1.233
3 x 1,5	11,9	50,1	198
3 x 3 x 1,5	18,3	134,8	440
7 x 3 x 1,5	23,4	304,3	752
12 x 3 x 1,5	30,2	516,1	1.160

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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 710 H

Armoured individual and overall screened ship board instrumentation cable LSZH CU/XLPE/IS/OS/LSZH/SWB/LSZH



Info

FE4XHOHAM 1 150/250 V
IEC 60092-376

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 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:** Flexible Annealed Copper
- **Core insulation:** XLPE
- **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 5 IEC 60228
-  **Nominal Voltage U₀/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 710 H			
3 x 2 x 0,75	15,0	67,1	299
7 x 2 x 0,75	18,6	149,8	476
12 x 2 x 0,75	23,8	253,1	720
19 x 2 x 0,75	27,4	397,7	986
3 x 3 x 0,75	16,2	90,4	350
7 x 3 x 0,75	20,5	204,0	586
12 x 3 x 0,75	26,3	346,0	895
3 x 2 x 1	16,0	92,9	344
7 x 2 x 1	20,0	206,5	560
12 x 2 x 1	25,6	348,4	856
19 x 2 x 1	29,8	547,1	1.202
3 x 3 x 1	17,5	123,9	414
7 x 3 x 1	22,0	278,8	693
12 x 3 x 1	28,4	472,4	1.070
3 x 2 x 1,5	18,0	115,7	416
7 x 2 x 1,5	22,8	259,5	690
12 x 2 x 1,5	29,6	439,4	1.075
19 x 2 x 1,5	35,0	691,2	1.547
3 x 3 x 1,5	19,6	158,0	498
7 x 3 x 1,5	25,2	358,4	865
12 x 3 x 1,5	32,9	608,9	1.361

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