



ÖLFLEX® INSTRUM SC 701 H

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



Info

**RE4XOHM 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:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Outer sheath:** LSZH, black

Technical data

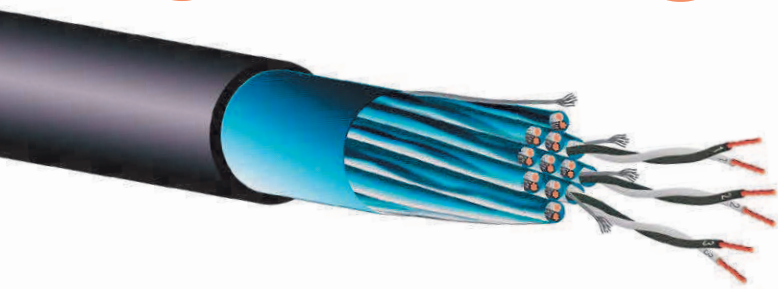
- Core identification code:**
Pairs are black & white with printed numbers
Triads are black, white, red with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage Uo/U:**
150/250 V
- Test voltage:**
C/C 1500 V x 5 minute
- Temperature range:**
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 701 H			
2 x 0,5	5,8	13,9	40
3 x 2 x 0,5	8,5	34,5	80
7 x 2 x 0,5	11,2	75,8	149
12 x 2 x 0,5	15,0	127,5	245
19 x 2 x 0,5	17,7	199,8	358
3 x 0,5	6,0	19,0	48
3 x 3 x 0,5	9,6	50,0	108
7 x 3 x 0,5	12,7	112,0	206
12 x 3 x 0,5	16,8	189,4	332
2 x 0,75	6,6	20,6	53
3 x 2 x 0,75	10,3	51,6	114
7 x 2 x 0,75	13,5	113,4	214
12 x 2 x 0,75	18,1	190,7	352
19 x 2 x 0,75	21,4	299,0	517
3 x 0,75	7,0	28,4	64
3 x 3 x 0,75	11,4	74,8	149
7 x 3 x 0,75	15,3	167,5	297
12 x 3 x 0,75	20,6	283,5	491

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC 701 H			
2 x 1	7,0	28,6	63
3 x 2 x 1	10,9	70,4	136
7 x 2 x 1	14,7	153,9	267
12 x 2 x 1	19,4	258,4	430
19 x 2 x 1	23,2	404,6	647
3 x 1	7,4	39,1	77
3 x 3 x 1	12,4	101,7	186
7 x 3 x 1	16,4	227,1	364
12 x 3 x 1	22,0	383,7	604
2 x 1,5	8,1	39,5	81
3 x 2 x 1,5	13,0	102,9	191
7 x 2 x 1,5	17,4	229,9	380
12 x 2 x 1,5	23,4	388,5	627
19 x 2 x 1,5	27,7	610,7	930
3 x 1,5	8,5	55,3	101
3 x 3 x 1,5	14,7	150,5	263
7 x 3 x 1,5	19,5	340,9	523
12 x 3 x 1,5	26,6	578,9	884

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 702 H

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



Info

**RE4XHOHM1 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:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Outer sheath:** LSZH, black

Technical data

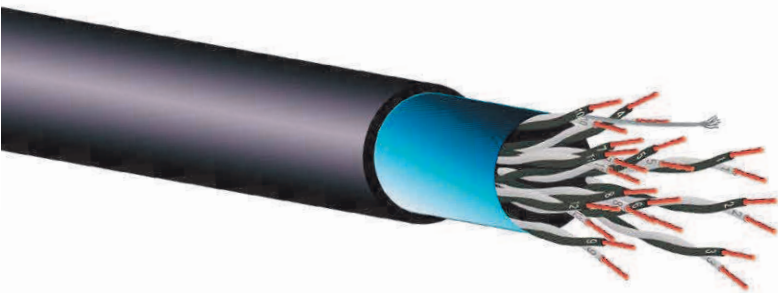
- Core identification code:**
Pairs are black & white with printed numbers
Triads are black, white, red with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage Uo/U:**
150/250 V
- Test voltage:**
C/C 1500 V x 5 minute
- Temperature range:**
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 702 H			
3 x 2 x 0,5	9,6	45,1	106
7 x 2 x 0,5	12,6	100,5	200
12 x 2 x 0,5	16,7	169,8	322
19 x 2 x 0,5	19,7	266,8	477
3 x 3 x 0,5	10,6	60,6	131
7 x 3 x 0,5	14,0	136,7	254
12 x 3 x 0,5	18,8	231,8	421
3 x 2 x 0,75	11,2	67,1	142
7 x 2 x 0,75	15,1	149,6	282
12 x 2 x 0,75	20,3	252,7	466
19 x 2 x 0,75	23,9	397,1	689
3 x 3 x 0,75	12,7	90,2	184
7 x 3 x 0,75	16,8	203,7	361
12 x 3 x 0,75	22,6	345,5	600

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC 702 H			
3 x 2 x 1	12,2	93,6	179
7 x 2 x 1	16,1	208,1	348
12 x 2 x 1	21,7	351,2	576
19 x 2 x 1	25,6	551,5	858
3 x 3 x 1	13,5	124,9	224
7 x 3 x 1	18,2	281,2	456
12 x 3 x 1	24,4	476,5	756
3 x 2 x 1,5	14,2	126,1	230
7 x 2 x 1,5	19,1	284,0	467
12 x 2 x 1,5	26,0	481,3	787
19 x 2 x 1,5	30,7	757,6	1.173
3 x 3 x 1,5	16,0	173,7	304
7 x 3 x 1,5	21,6	395,1	624
12 x 3 x 1,5	29,3	671,7	1.052

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



ÖLFLEX® INSTRUM SC SWB 703 H

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



Info

**RE4XOHAM 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:** Stranded 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

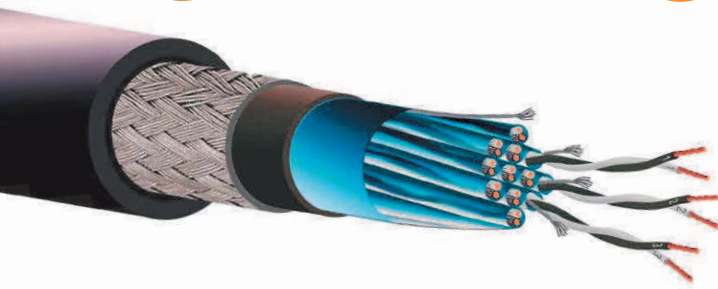
- Core identification code:**
Pairs are black & white with printed numbers
Triads are black, white, red with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage Uo/U:**
150/250 V
- Test voltage:**
C/C 1500 V x 5 minute
- Temperature range:**
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 703 H			
2 x 0,5	8,9	13,9	109
3 x 2 x 0,5	11,9	34,5	181
7 x 2 x 0,5	15,0	75,8	306
12 x 2 x 0,5	18,6	127,5	440
19 x 2 x 0,5	21,2	199,8	584
3 x 0,5	9,2	19,0	119
3 x 3 x 0,5	12,8	50,0	214
7 x 3 x 0,5	16,2	112,0	373
12 x 3 x 0,5	20,6	189,4	558
2 x 0,75	9,8	20,6	130
3 x 2 x 0,75	13,4	51,6	225
7 x 2 x 0,75	17,1	113,4	391
12 x 2 x 0,75	21,7	190,7	584
19 x 2 x 0,75	25,0	299,0	787
3 x 0,75	10,1	28,4	144
3 x 3 x 0,75	15,2	74,8	309
7 x 3 x 0,75	18,9	167,5	495
12 x 3 x 0,75	24,1	283,5	751

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC SWB 703 H			
2 x 1	10,2	28,6	143
3 x 2 x 1	14,7	70,4	290
7 x 2 x 1	18,2	153,9	457
12 x 2 x 1	23,2	258,4	688
19 x 2 x 1	26,7	404,6	937
3 x 1	10,5	39,1	161
3 x 3 x 1	15,9	101,7	350
7 x 3 x 1	19,9	227,1	575
12 x 3 x 1	25,6	383,7	881
2 x 1,5	11,2	39,5	171
3 x 2 x 1,5	16,6	102,9	362
7 x 2 x 1,5	21,0	229,9	603
12 x 2 x 1,5	27,0	388,5	921
19 x 2 x 1,5	31,3	610,7	1.275
3 x 1,5	11,9	55,3	202
3 x 3 x 1,5	18,3	150,5	453
7 x 3 x 1,5	23,3	340,9	783
12 x 3 x 1,5	30,1	578,9	1.215

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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 704 H

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



Info

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Benefits

- Sunlight resistant
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- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Smoke**
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- **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 braid
- **Outer sheath:** LSZH, black

Technical data

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8 x Outer Diameter

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ÖLFLEX® INSTRUM SC SWB 704 H			
3 x 2 x 0,5	12,7	45,1	211
7 x 2 x 0,5	16,2	100,5	366
12 x 2 x 0,5	20,4	169,8	547
19 x 2 x 0,5	23,4	266,8	738
3 x 3 x 0,5	13,7	60,6	245
7 x 3 x 0,5	17,7	136,7	445
12 x 3 x 0,5	22,3	231,8	660
3 x 2 x 0,75	15,0	67,1	300
7 x 2 x 0,75	18,7	149,6	478
12 x 2 x 0,75	23,8	252,7	722
19 x 2 x 0,75	27,5	397,1	988
3 x 3 x 0,75	16,2	90,2	351
7 x 3 x 0,75	20,6	203,7	587
12 x 3 x 0,75	26,4	345,5	897

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC SWB 704 H			
3 x 2 x 1	15,8	93,6	340
7 x 2 x 1	19,7	208,1	555
12 x 2 x 1	25,2	351,2	849
19 x 2 x 1	29,4	551,5	1.192
3 x 3 x 1	17,1	124,9	401
7 x 3 x 1	21,7	281,2	687
12 x 3 x 1	28,0	476,5	1.061
3 x 2 x 1,5	18,0	126,1	425
7 x 2 x 1,5	22,7	284,0	710
12 x 2 x 1,5	29,5	481,3	1.111
19 x 2 x 1,5	34,9	757,6	1.603
3 x 3 x 1,5	19,6	173,7	511
7 x 3 x 1,5	25,1	395,1	896
12 x 3 x 1,5	32,8	671,7	1.415

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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