

ÖLFLEX® INSTRUM SC SWB F90 711 H

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



Info

FTE4XOHAM 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

Armoured twisted pair or triad signal cable,
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:** Flexible 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 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

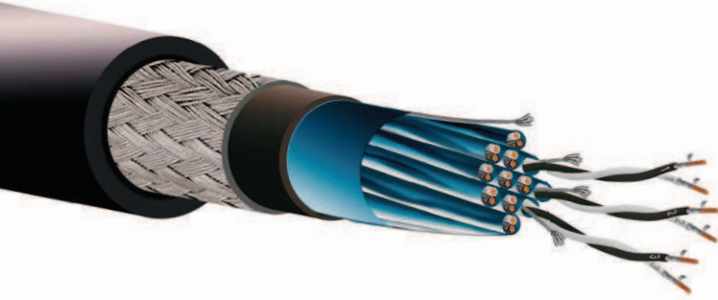


Minimum Bending Radius:
8 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SC SWB F90 711 H			
3 x 3 x 0,75	17,4	74,9	371
7 x 3 x 0,75	21,9	167,8	598
12 x 3 x 0,75	28,2	284,0	910
2 x 1	11,3	28,4	164
3 x 2 x 1	16,7	69,7	339
7 x 2 x 1	21,2	152,3	549
12 x 2 x 1	27,2	255,6	827
19 x 2 x 1	31,7	400,2	1.140
3 x 1	11,9	38,7	191
3 x 3 x 1	18,4	100,7	419
7 x 3 x 1	23,5	224,6	701
12 x 3 x 1	30,4	379,6	1.073
2 x 1,5	12,4	36,0	195
3 x 2 x 1,5	18,6	92,5	410
7 x 2 x 1,5	23,8	205,4	677
12 x 2 x 1,5	30,7	346,6	1.030
19 x 2 x 1,5	36,3	544,3	1.468
3 x 1,5	13,0	50,1	222
3 x 3 x 1,5	20,6	134,8	511
7 x 3 x 1,5	26,5	304,3	874
12 x 3 x 1,5	35,0	516,1	1.400

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 712 H

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



Info

FTE4XHOHAM1 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:** Flexible 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

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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 SWB F90 712 H			
12 x 2 x 0,75	27,7	253,1	861
19 x 2 x 0,75	32,3	397,7	1.193
3 x 3 x 0,75	18,6	90,4	419
7 x 3 x 0,75	23,8	204,0	702
12 x 3 x 0,75	30,8	346,0	1.074
3 x 2 x 1	18,1	92,9	403
7 x 2 x 1	23,1	206,5	668
12 x 2 x 1	29,8	348,4	1.018
19 x 2 x 1	35,2	547,1	1.455
3 x 3 x 1	19,7	123,9	477
7 x 3 x 1	25,3	278,8	814
12 x 3 x 1	33,1	472,4	1.274
3 x 2 x 1,5	20,0	115,7	470
7 x 2 x 1,5	25,7	259,5	794
12 x 2 x 1,5	33,6	439,4	1.237
19 x 2 x 1,5	40,3	691,2	1.881
3 x 3 x 1,5	22,1	158,0	575
7 x 3 x 1,5	28,5	358,4	997
12 x 3 x 1,5	38,5	608,9	1.705

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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