



ÖLFLEX® INSTRUM 278 H

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



Info

**RE4XOHM 1 300 V
EN 50288-7**

Benefits

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

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

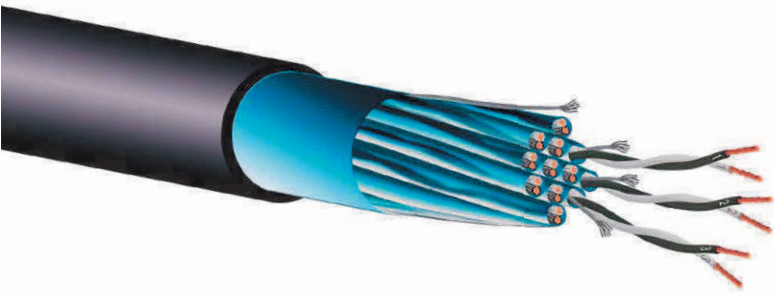
- Core identification code:**
Pairs are black & white with printed numbers
Triads are black, white, red with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage Uo/U:**
300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
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 278 H			
1x2x0,5	5,1	15,1	35
2x2x0,5	7,5	25,4	66
6x2x0,5	10,5	66,7	134
10x2x0,5	13,4	108,0	202
12x2x0,5	13,9	128,7	222
16x2x0,5	15,6	170,0	290
20x2x0,5	17,5	211,3	367
24x2x0,5	19,4	252,6	421
30x2x0,5	20,7	314,6	505
1x3x0,5	5,4	20,2	42
3x3x0,5	9,0	51,2	100
6x3x0,5	11,8	97,7	183
10x3x0,5	15,2	159,7	279
12x3x0,5	15,7	190,6	311
1x2x0,75	5,9	20,2	45
2x2x0,75	8,4	35,7	84
6x2x0,75	12,1	97,5	183
10x2x0,75	15,5	159,4	277
12x2x0,75	16,0	190,3	306
16x2x0,75	18,0	252,2	401
20x2x0,75	20,2	314,0	507
24x2x0,75	22,4	375,9	583
30x2x0,75	23,9	468,7	702
1x3x0,75	6,2	27,9	56
3x3x0,75	10,1	74,3	131
6x3x0,75	13,4	143,9	244
10x3x0,75	17,5	236,7	386
12x3x0,75	18,1	283,1	431

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM 278 H			
1x2x1	6,4	25,6	53
2x2x1	9,4	46,5	106
6x2x1	13,2	130,1	225
10x2x1	17,2	213,6	353
12x2x1	17,8	255,4	392
16x2x1	19,7	338,9	503
20x2x1	22,2	422,5	638
24x2x1	24,8	506,0	749
30x2x1	26,5	631,4	902
1x3x1	6,7	36,1	66
3x3x1	11,0	98,7	161
6x3x1	14,9	192,7	313
10x3x1	19,2	318,0	484
12x3x1	20,1	380,7	554
1x2x1,5	7,2	36,5	69
2x2x1,5	10,8	68,2	140
6x2x1,5	15,5	195,1	318
10x2x1,5	20,2	322,1	499
12x2x1,5	20,9	385,5	557
16x2x1,5	23,4	512,5	732
20x2x1,5	26,3	639,4	927
24x2x1,5	29,4	766,3	1.086
30x2x1,5	31,4	956,7	1.309
1x3x1,5	7,6	52,3	88
3x3x1,5	13,0	147,5	227
6x3x1,5	17,5	290,3	444
10x3x1,5	22,6	480,7	691
12x3x1,5	23,6	575,9	793

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 copper conductor, other colors, Arctic version with operation between -60°C and +70°C



ÖLFLEX® INSTRUM 279 H

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



Info

**RE4XHOHM1 300 V
EN 50288-7**

Benefits

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

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

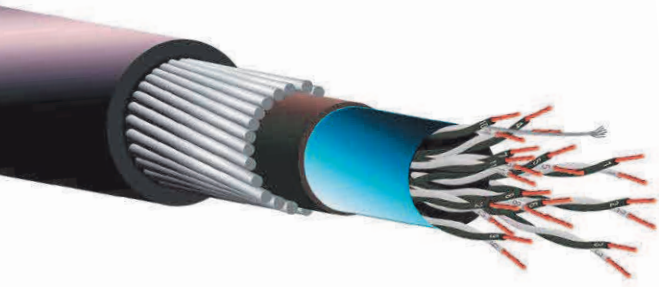
- Core identification code:**
Pairs are black & white with printed numbers
Triads are black, white, red with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage Uo/U:**
300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
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 279 H			
2x2x0,5	8,3	35,7	84
6x2x0,5	11,8	97,7	187
10x2x0,5	15,2	159,7	287
12x2x0,5	15,7	190,6	321
16x2x0,5	17,6	252,6	419
20x2x0,5	19,5	314,6	518
24x2x0,5	21,9	376,6	611
30x2x0,5	23,3	469,5	739
3x3x0,5	9,9	66,7	126
6x3x0,5	13,1	128,7	233
10x3x0,5	16,9	211,3	361
12x3x0,5	17,7	252,6	414
2x2x0,75	9,5	46,0	108
6x2x0,75	13,3	128,5	234
10x2x0,75	17,4	211,0	369
12x2x0,75	18,0	252,3	412
16x2x0,75	20,1	334,8	539
20x2x0,75	22,4	417,3	669
24x2x0,75	25,1	499,8	787
30x2x0,75	26,8	623,6	951
3x3x0,75	11,1	89,8	158
6x3x0,75	15,0	174,9	305
10x3x0,75	19,4	288,3	473
12x3x0,75	20,3	345,1	543

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM 279 H			
2x2x1	10,3	56,8	126
6x2x1	14,8	161,0	286
10x2x1	19,0	265,3	441
12x2x1	19,7	317,4	494
16x2x1	22,1	421,6	648
20x2x1	24,8	525,8	819
24x2x1	27,8	630,0	963
30x2x1	29,6	786,3	1.164
3x3x1	12,4	114,2	196
6x3x1	16,4	223,7	369
10x3x1	21,5	369,7	586
12x3x1	22,2	442,7	661
2x2x1,5	12,0	78,5	168
6x2x1,5	17,2	226,1	386
10x2x1,5	22,2	373,7	595
12x2x1,5	23,2	447,5	680
16x2x1,5	26,0	595,1	891
20x2x1,5	29,2	742,7	1.125
24x2x1,5	32,7	890,3	1.321
30x2x1,5	34,8	1111,6	1.596
3x3x1,5	14,4	163,0	266
6x3x1,5	19,2	321,3	507
10x3x1,5	25,1	532,4	804
12x3x1,5	26,2	637,9	923

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 copper conductor, other colors, Arctic version with operation between -60°C and +70°C



ÖLFLEX® INSTRUM SWA 280 H

Armoured overall screened instrumentation cable LSZH
CU/XLPE/OS/LSZH/SWA/LSZH



Info

**RE4XOHM1FM1 300 V
EN 50288-7**

Benefits

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

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
- **Outer sheath:** LSZH, black

Technical data

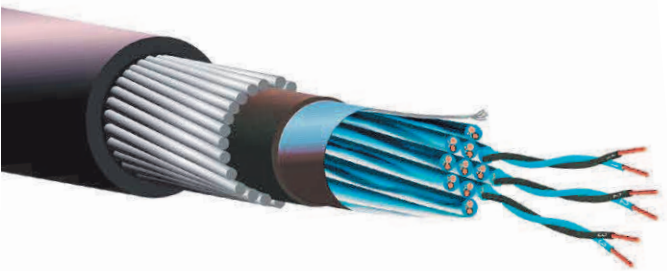
- Core identification code:**
Pairs are black & white with printed numbers
Triads are black, white, red with printed numbers
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Class 2 IEC 60228
- Nominal Voltage Uo/U:**
300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- Minimum Bending Radius:**
10 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA 280 H			
1x2x0,5	9,8	15,1	179
2x2x0,5	12,3	25,4	266
6x2x0,5	15,3	66,7	398
10x2x0,5	18,5	108,0	538
12x2x0,5	18,9	128,7	568
16x2x0,5	20,8	170,0	683
20x2x0,5	23,5	211,3	925
24x2x0,5	25,5	252,6	1.044
30x2x0,5	26,9	314,6	1.166
1x3x0,5	10,0	20,2	192
3x3x0,5	13,8	51,2	332
6x3x0,5	16,9	97,7	484
10x3x0,5	20,4	159,7	664
12x3x0,5	20,9	190,6	707
1x2x0,75	10,5	20,2	206
2x2x0,75	13,3	35,7	304
6x2x0,75	17,1	97,5	489
10x2x0,75	20,7	159,4	669
12x2x0,75	22,0	190,3	823
16x2x0,75	23,9	252,2	972
20x2x0,75	26,4	314,0	1.154
24x2x0,75	28,8	375,9	1.307
30x2x0,75	30,3	468,7	1.469
1x3x0,75	10,8	27,9	223
3x3x0,75	14,9	74,3	387
6x3x0,75	18,4	143,9	581
10x3x0,75	23,5	236,7	944
12x3x0,75	24,3	283,1	1.018

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA 280 H			
1x2x1	11,0	25,6	224
2x2x1	14,2	46,5	346
6x2x1	18,2	130,1	557
10x2x1	23,2	213,6	903
12x2x1	23,8	255,4	958
16x2x1	25,9	338,9	1.138
20x2x1	28,6	422,5	1.357
24x2x1	31,2	506,0	1.543
30x2x1	33,9	631,4	1.941
1x3x1	11,3	36,1	244
3x3x1	15,9	98,7	437
6x3x1	20,0	192,7	682
10x3x1	25,4	318,0	1.103
12x3x1	26,3	380,7	1.198
1x2x1,5	11,8	36,5	257
2x2x1,5	15,6	68,2	411
6x2x1,5	20,7	195,1	710
10x2x1,5	26,4	322,1	1.146
12x2x1,5	27,1	385,5	1.223
16x2x1,5	29,8	512,5	1.484
20x2x1,5	33,7	639,4	1.959
24x2x1,5	36,9	766,3	2.244
30x2x1,5	38,9	956,7	2.537
1x3x1,5	12,5	52,3	291
3x3x1,5	18,0	147,5	553
6x3x1,5	23,5	290,3	1.002
10x3x1,5	29,0	480,7	1.420
12x3x1,5	30,0	575,9	1.550

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AVAILABLE ALSO IN: Conductor Class 5, Tinned conductor, Armour SWB, other colors, Arctic version with operation between -60°C and +70°C



ÖLFLEX® INSTRUM SWA 281 H

Armoured individual and overall screened instrumentation cable LSZH CU/XLPE/IS/OS/LSZH/SWA/LSZH



Info

**RE4XHOHM1FM1 300 V
EN 50288-7**

Benefits

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

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:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Inner sheath:** LSZH, black
- **Armour:** Galvanized Steel 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:**
300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- Minimum Bending Radius:**
10 x Outer Diameter

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA 281 H			
2x2x0,5	13,1	35,7	301
6x2x0,5	16,9	97,7	488
10x2x0,5	20,4	159,7	671
12x2x0,5	20,9	190,6	716
16x2x0,5	23,5	252,6	979
20x2x0,5	25,7	314,6	1.147
24x2x0,5	28,3	376,6	1.320
30x2x0,5	29,8	469,5	1.490
3x3x0,5	14,7	66,7	378
6x3x0,5	18,1	128,7	562
10x3x0,5	22,9	211,3	902
12x3x0,5	23,6	252,6	977
2x2x0,75	14,3	46,0	350
6x2x0,75	18,4	128,5	568
10x2x0,75	23,4	211,0	923
12x2x0,75	24,0	252,3	983
16x2x0,75	26,3	334,8	1.184
20x2x0,75	28,8	417,3	1.394
24x2x0,75	31,5	499,8	1.589
30x2x0,75	34,1	623,6	2.000
3x3x0,75	16,0	89,8	437
6x3x0,75	20,3	174,9	687
10x3x0,75	25,6	288,3	1.097
12x3x0,75	26,5	345,1	1.191

Number cores and mm ² per conductor	Approx. Outer Diameter (mm)	Copper index (kg/km)	Approx. Weight (kg/km)
ÖLFLEX® INSTRUM SWA 281 H			
2x2x1	15,1	56,8	387
6x2x1	19,8	161,0	652
10x2x1	25,2	265,3	1.055
12x2x1	25,9	317,4	1.127
16x2x1	28,5	421,6	1.363
20x2x1	31,2	525,8	1.614
24x2x1	35,1	630,0	2.047
30x2x1	37,2	786,3	2.331
3x3x1	17,4	114,2	509
6x3x1	22,4	223,7	898
10x3x1	27,7	369,7	1.269
12x3x1	28,6	442,7	1.380
2x2x1,5	17,0	78,5	474
6x2x1,5	23,2	226,1	936
10x2x1,5	28,6	373,7	1.314
12x2x1,5	29,6	447,5	1.427
16x2x1,5	32,6	595,1	1.735
20x2x1,5	36,8	742,7	2.278
24x2x1,5	40,4	890,3	2.616
30x2x1,5	42,6	1111,6	2.969
3x3x1,5	19,4	163,0	624
6x3x1,5	25,4	321,3	1.126
10x3x1,5	31,5	532,4	1.606
12x3x1,5	32,8	637,9	1.772

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AVAILABLE ALSO IN: Conductor Class 5, Tinned copper conductor, Armour SWB, other colors, Arctic version with operation between -60°C and +70°C