



CU/XLPE/IS/OS/LSZH/SWA/LSZH

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



Info

RE4XHOHM1FM1
300/500 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 U₀/U:
300/500 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)
CU/XLPE/IS/OS/LSZH/SWA/LSZH RE4XHOHM1FM1 300/500 V EN 50288-7			
1x2x1*	11,3	23	256
2x2x1	16,0	44	452
6x2x1	21,5	124	814
10x2x1	26,7	205	1.150
12x2x1	27,4	246	1.235
16x2x1	29,9	326	1.461
20x2x1	33,9	406	1.908
24x2x1	37,4	486	2.225
30x2x1	39,4	607	2.503
1x3x1*	11,8	33	284
3x3x1	18,1	93	590
6x3x1	23,7	181	989
10x3x1	29,3	300	1.397
12x3x1	30,1	359	1.516
1x2x1,5*	12,1	32	294
2x2x1,5	17,1	61	515
6x2x1,5	23,6	177	968
10x2x1,5	29,1	292	1.364
12x2x1,5	29,9	349	1.477
16x2x1,5	33,7	465	1.959
20x2x1,5	37,4	580	2.332
24x2x1,5	41,1	695	2.693
30x2x1,5	44,3	868	3.390
1x3x1,5*	12,5	46	321
3x3x1,5	19,8	132	708
6x3x1,5	25,8	260	1.170
10x3x1,5	33,0	430	1.866
12x3x1,5	33,9	516	2.022

* CU/XLPE/OS/LSZH/SWA/LSZH RE4XHOHM1FM1

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, Armour SWB, other colors