



CU/XLPE/IS/OS/PVC

Individual and overall screened instrumentation cable for intrinsically safe circuits



Info

**RE4XHOHR 300/500 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 PVC jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Halogen acid gas**
IEC 60754-1 (max 20%)
- **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:** PVC, blue RAL 5015

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:**
8 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/PVC RE4XHOHR 300/500V EN 50288-7			
1x2x1*	6,7	23	73
2x2x1	10,8	44	151
6x2x1	15,6	124	272
10x2x1	20,4	205	436
12x2x1	21,1	246	498
16x2x1	23,6	326	644
20x2x1	26,6	406	796
24x2x1	29,7	486	954
30x2x1	31,7	607	1.155
1x3x1*	7,1	33	85
3x3x1	13,1	93	247
6x3x1	17,6	181	373
10x3x1	23,0	300	600
12x3x1	23,8	359	694
1x2x1,5*	7,3	32	90
2x2x1,5	12,1	61	193
6x2x1,5	17,5	177	357
10x2x1,5	22,8	292	573
12x2x1,5	23,6	349	661
16x2x1,5	26,4	465	853
20x2x1,5	29,7	580	1.059
24x2x1,5	33,4	695	1.279
30x2x1,5	35,6	868	1.560
1x3x1,5*	7,7	46	107
3x3x1,5	14,6	132	318
6x3x1,5	19,7	260	581
10x3x1,5	25,7	430	787
12x3x1,5	26,6	516	909

* CU/XLPE/OS/PVC RE4OHR

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 conductor, other colors