



CU/XLPE/IS/AL/HDPE/PA/SWA/PVC

Armoured, AL/HDPE/PA jacketed, Individual and Overall screened instrumentation cable CU/XLPE/IS/AL/HDPE/PA/SWA/PVC



Info

RE4XHOH5ER4FR
300/500 V EN 50288-7

Benefits

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

Product features

Armoured, AL/HDPE/PA jacketed, 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

Design

- **Conductor:** Stranded Annealed Copper
- **Core insulation:** XLPE
- **Screen:** IS Aluminum/PET + TC Drain wire, OS Aluminum longitudinal tape (AL) + TC Drain wire
- **Chemical Barrier:** AL/HDPE/PA
- **Armour:** Galvanized Steel Wire
- **Outer sheath:** PVC, 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:**
300/500 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/AL/HDPE/PA/SWA/PVC RE4XHOH5ER4FR 300/500 V EN 50288-7			
1x2x1*	13,0	23	306
2x2x1	17,4	44	505
6x2x1	23,3	124	914
10x2x1	28,1	205	1.260
12x2x1	29,0	246	1.340
16x2x1	31,5	326	1.565
20x2x1	35,7	406	2.058
24x2x1	39,1	486	2.390
30x2x1	40,9	607	2.613
1x3x1*	13,4	33	328
3x3x1	19,8	93	658
6x3x1	25,1	181	1.089
10x3x1	30,9	300	1.561
12x3x1	32,7	359	1.851
1x2x1,5*	13,6	32	336
2x2x1,5	18,5	61	565
6x2x1,5	24,9	177	1.052
10x2x1,5	30,7	292	1.495
12x2x1,5	31,5	349	1.589
16x2x1,5	35,6	465	2.094
20x2x1,5	39,1	580	2.467
24x2x1,5	42,8	695	2.874
30x2x1,5	46,0	868	3.531
1x3x1,5*	14,0	46	367
3x3x1,5	21,9	132	887
6x3x1,5	27,4	260	1.293
10x3x1,5	34,5	430	1.525
12x3x1,5	35,7	516	2.208

* CU/XLPE/OS/AL/HDPE/PA/SWA/PVC RE4XHOH5ER4FR

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