



TT XLPE-iST-oST-LSZH

Individual and overall screened extension or compensating, LSZH TT*/XLPE/IS/OS/LSZH (*Thermocouple Type Conductor)



Info

**TT UE4XHOHM1 300 V
EN 50288-7
IEC 60584-3
ISA MC 96.1**

Benefits

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

Product features

ATwisted pair, individual and overall screened cable, 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:** Solid alloys according to IEC 60584-3, ISA MC 96.1
- **Core insulation:** XLPE
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Outer sheath:** LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1

Technical data



Core identification code:
in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)



Insulation resistance:
5000 MOhm x km



Conductor stranding:
Solid alloys



Nominal Voltage U0/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 (AWG) per conductor | Approx. Outer Diameter mm | Copper index kg/km | Approx. Weight kg/km |
|--|---------------------------|--------------------|----------------------|
| TT XLPE-iST-oST-LSZH | | | |
| 2x2x0,5 (20 AWG) | 7,9 | 35,2 | 81 |
| 6x2x0,5 (20 AWG) | 11,1 | 96,2 | 175 |
| 10x2x0,5 (20 AWG) | 14,5 | 157,2 | 277 |
| 12x2x0,5 (20 AWG) | 15,0 | 187,7 | 310 |
| 16x2x0,5 (20 AWG) | 16,6 | 248,7 | 397 |
| 20x2x0,5 (20 AWG) | 18,6 | 309,7 | 500 |
| 24x2x0,5 (20 AWG) | 20,8 | 370,7 | 591 |
| 2x2x0,8 (18 AWG) | 9,1 | 45,9 | 104 |
| 6x2x0,8 (18 AWG) | 12,8 | 128,1 | 228 |
| 10x2x0,8 (18 AWG) | 16,5 | 210,4 | 351 |
| 12x2x0,8 (18 AWG) | 17,3 | 251,5 | 403 |
| 16x2x0,8 (18 AWG) | 19,1 | 333,8 | 517 |
| 20x2x0,8 (18 AWG) | 21,5 | 416,0 | 653 |
| 24x2x0,8 (18 AWG) | 24,1 | 498,3 | 769 |
| 2x2x1,3 (16 AWG) | 10,7 | 64,8 | 138 |
| 6x2x1,3 (16 AWG) | 15,3 | 184,9 | 317 |
| 10x2x1,3 (16 AWG) | 19,8 | 305,0 | 491 |
| 12x2x1,3 (16 AWG) | 20,7 | 365,0 | 562 |
| 16x2x1,3 (16 AWG) | 23,2 | 485,1 | 737 |
| 20x2x1,3 (16 AWG) | 26,0 | 605,2 | 929 |
| 24x2x1,3 (16 AWG) | 29,1 | 725,3 | 1.093 |

Where X=0 for KX, X=1 for KCA, X=2 for KCB, X=3 for EX, X=4 for TX, X=5 for JX, X=6 for BX, X=7 for RCA/SCA RCB/SCB, X=8 for NX, X=9 for NC

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: Other conductor sizes and stranding