



TT XLPE- σ ST-LSZH

Overall screened extension or compensating, LSZH
TT*/XLPE/OS/LSZH
(*Thermocouple Type Conductor)



Info

TT UE4XOHM 1 300 V
EN 50288-7
IEC 60584-3
ISA MC 96.1

Benefits

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

Product features

Twisted pair, 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:** 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	Alloy index kg/km	Approx. Weight kg/km
TT XLPE-σST-LSZH			
20x2x0,5 (20 AWG)	16,5	206,4	343
24x2x0,5 (20 AWG)	18,4	246,7	404
1x2x0,8 (18 AWG)	5,5	20,1	41
2x2x0,8 (18 AWG)	8,1	35,5	81
6x2x0,8 (18 AWG)	11,6	97,1	177
10x2x0,8 (18 AWG)	14,9	158,7	270
12x2x0,8 (18 AWG)	15,4	189,5	299
16x2x0,8 (18 AWG)	17,2	251,1	391
20x2x0,8 (18 AWG)	19,2	312,7	485
24x2x0,8 (18 AWG)	21,4	374,3	570
1x2x1,3 (16 AWG)	6,6	29,6	58
2x2x1,3 (16 AWG)	9,7	54,5	117
6x2x1,3 (16 AWG)	13,7	153,9	255
10x2x1,3 (16 AWG)	17,9	253,3	401
12x2x1,3 (16 AWG)	18,5	303,1	448
16x2x1,3 (16 AWG)	20,8	402,5	588
20x2x1,3 (16 AWG)	23,3	501,9	744
24x2x1,3 (16 AWG)	26,1	601,4	872

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