



TT XLPE- σ ST-LSZH-SWA-LSZH

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



Info

**TT UE4XOHM1FM1 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

Armoured 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
- **Inner sheath:** LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1
- **Armour:** Galvanized steel 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:**
10 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-σST-LSZH-SWA-LSZH			
1x2x0,5 (20 AWG)	9,6	14,8	174
2x2x0,5 (20 AWG)	11,8	24,9	251
6x2x0,5 (20 AWG)	14,8	65,2	382
10x2x0,5 (20 AWG)	17,8	105,6	516
12x2x0,5 (20 AWG)	18,3	125,7	545
16x2x0,5 (20 AWG)	19,9	166,1	645
20x2x0,5 (20 AWG)	22,5	206,4	873
24x2x0,5 (20 AWG)	24,6	246,7	1.000
1x2x0,8 (18 AWG)	10,1	20,1	194
2x2x0,8 (18 AWG)	12,9	35,5	295
6x2x0,8 (18 AWG)	16,6	97,1	474
10x2x0,8 (18 AWG)	19,9	158,7	638
12x2x0,8 (18 AWG)	20,6	189,5	688
16x2x0,8 (18 AWG)	23,2	251,1	941
20x2x0,8 (18 AWG)	25,4	312,7	1.102
24x2x0,8 (18 AWG)	27,6	374,3	1.252
1x2x1,3 (16 AWG)	11,2	29,6	233
2x2x1,3 (16 AWG)	14,6	54,5	365
6x2x1,3 (16 AWG)	18,8	153,9	598
10x2x1,3 (16 AWG)	23,9	253,3	971
12x2x1,3 (16 AWG)	24,7	303,1	1.047
16x2x1,3 (16 AWG)	27,0	402,5	1.251
20x2x1,3 (16 AWG)	29,7	501,9	1.495
24x2x1,3 (16 AWG)	32,7	601,4	1.719

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, Armour SWB, DSTA