

TT XLPE-iST-oST-PVC-LEAD-PVC-SWA-PVC

Armoured, lead jacketed, individual and overall screened extension or compensating TT*/XLPE/IS/OS/PVC/LC/PVC/SWA/PVC (*Thermocouple Type Conductor)



Info

**TT UE4XHOHRLRFR 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, lead jacketed, twisted pair individual and overall screened cable, 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:** Solid alloys according to IEC 60584-3, ISA MC 96.1
- **Core insulation:** XLPE
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Inner sheath:** PVC, color in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)
- **Chemical Barrier:** Lead sheath
- **Inner sheath:** PVC
- **Armour:** Galvanized steel wire
- **Outer sheath:** PVC, color in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)

Technical data

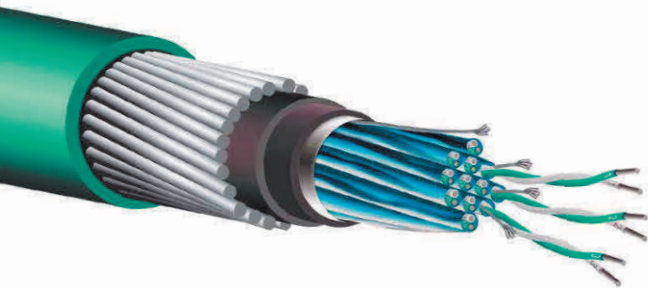
- **Core identification code:**
in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)
- **Insulation resistance:**
5000 MOhm x km
- **Conductor stranding:**
Solid alloys
- **Nominal Voltage U0/U:**
300/300 V
- **Test voltage:**
C/C 1500 V x 1 minute
- **Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- **Minimum Bending Radius:**
15 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-PVC-LEAD-PVC-SWA-PVC			
2x2x0,5 (20 AWG)	16,9	35,2	712
6x2x0,5 (20 AWG)	20,5	96,2	1.052
10x2x0,5 (20 AWG)	24,4	157,2	1.439
12x2x0,5 (20 AWG)	24,8	187,7	1.503
16x2x0,5 (20 AWG)	27,4	248,7	1.912
20x2x0,5 (20 AWG)	29,7	309,7	2.185
24x2x0,5 (20 AWG)	32,3	370,7	2.546
2x2x0,8 (18 AWG)	18,4	45,9	851
6x2x0,8 (18 AWG)	22,5	128,1	1.269
10x2x0,8 (18 AWG)	27,3	210,4	1.862
12x2x0,8 (18 AWG)	28,3	251,5	1.984
16x2x0,8 (18 AWG)	30,2	333,8	2.240
20x2x0,8 (18 AWG)	33,0	416,0	2.664
24x2x0,8 (18 AWG)	36,4	498,3	3.141
2x2x1,3 (16 AWG)	19,9	64,8	979
6x2x1,3 (16 AWG)	25,2	184,9	1.535
10x2x1,3 (16 AWG)	31,0	305,0	2.347
12x2x1,3 (16 AWG)	31,9	365,0	2.488
16x2x1,3 (16 AWG)	34,8	485,1	2.975
20x2x1,3 (16 AWG)	38,3	605,2	3.466
24x2x1,3 (16 AWG)	42,5	725,3	4.256

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, Arctic version with operation between -60°C and +70°C



TT XLPE-iST-oST-AL/HDPE/PA-SWA-PVC

Armoured, AL/HDPE/PA jacketed, individual and overall screened extension or compensating TT*/XLPE/IS/OS/AL/HDPE/PA/SWA/PVC (*Thermocouple Type Conductor)



Info

**TT UE4XHOH5ER4FR 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, AL/HDPE/PA jacketed, twisted pair individual and overall screened cable, 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:** Solid alloys according to IEC 60584-3, ISA MC 96.1
- **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, color in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)

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:**
15 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-AL/HDPE/PA-SWA-PVC			
2x2x0,5 (20 AWG)	14,3	35,2	338
6x2x0,5 (20 AWG)	17,5	96,2	503
10x2x0,5 (20 AWG)	21,1	157,2	688
12x2x0,5 (20 AWG)	21,6	187,7	732
16x2x0,5 (20 AWG)	23,9	248,7	980
20x2x0,5 (20 AWG)	26,2	309,7	1.153
24x2x0,5 (20 AWG)	28,6	370,7	1.317
2x2x0,8 (18 AWG)	15,4	45,9	380
6x2x0,8 (18 AWG)	19,2	128,1	593
10x2x0,8 (18 AWG)	23,9	210,4	933
12x2x0,8 (18 AWG)	24,8	251,5	1.015
16x2x0,8 (18 AWG)	26,7	333,8	1.184
20x2x0,8 (18 AWG)	29,3	416,0	1.400
24x2x0,8 (18 AWG)	31,9	498,3	1.587
2x2x1,3 (16 AWG)	17,1	64,8	456
6x2x1,3 (16 AWG)	22,0	184,9	748
10x2x1,3 (16 AWG)	27,4	305,0	1.176
12x2x1,3 (16 AWG)	28,5	365,0	1.283
16x2x1,3 (16 AWG)	30,9	485,1	1.528
20x2x1,3 (16 AWG)	34,8	605,2	2.001
24x2x1,3 (16 AWG)	38,0	725,3	2.285

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