

TT XLPO-OST-XLPO

Overall screened extension or compensating, LSZH 125 °C
TT*/XLPO/OS/LSZH
(*Thermocouple Type Conductor)



Info

TT UG10XOHM2 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, XLPO insulated and LSZH jacketed 125 °C

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:** XLPO
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Outer sheath:** XLPO, LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1

Technical data

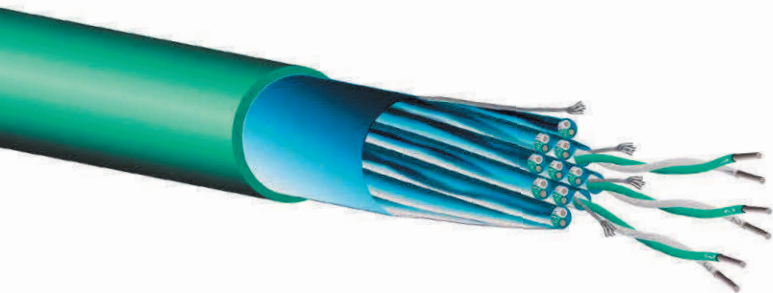
- Core identification code:**
in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)
- Insulation resistance:**
1000 MOhm x km
- Conductor stranding:**
Solid alloys
- Nominal Voltage U0/U:**
300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
during operation: -40° to +125°C
during 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 XLPO-OST-XLPO			
20x2x0,5 (20 AWG)	16,5	206,4	363
24x2x0,5 (20 AWG)	18,4	246,7	428
1x2x0,8 (18 AWG)	5,5	20,1	42
2x2x0,8 (18 AWG)	8,1	35,5	82
6x2x0,8 (18 AWG)	11,6	97,1	184
10x2x0,8 (18 AWG)	14,9	158,7	281
12x2x0,8 (18 AWG)	15,4	189,5	314
16x2x0,8 (18 AWG)	17,2	251,1	411
20x2x0,8 (18 AWG)	19,2	312,7	511
24x2x0,8 (18 AWG)	21,4	374,3	601
1x2x1,3 (16 AWG)	6,6	29,6	59
2x2x1,3 (16 AWG)	9,7	54,5	119
6x2x1,3 (16 AWG)	13,7	153,9	266
10x2x1,3 (16 AWG)	17,9	253,3	419
12x2x1,3 (16 AWG)	18,5	303,1	470
16x2x1,3 (16 AWG)	20,8	402,5	619
20x2x1,3 (16 AWG)	23,3	501,9	783
24x2x1,3 (16 AWG)	26,1	601,4	920

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



TT XLPO-iST-oST-XLPO

Individual and overall screened extension or compensating, LSZH 125 °C
 TT*/XLPO/IS/OS/LSZH
 (*Thermocouple Type Conductor)



Info

TT UG10XHOHM2 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, individual and overall screened cable, XLPO insulated and LSZH jacketed 125 °C

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:** XLPO
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Outer sheath:** XLPO, LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1

Technical data

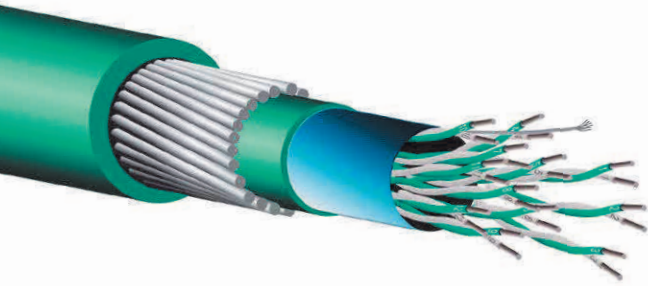
- Core identification code:**
in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)
- Insulation resistance:**
1000 MOhm x km
- Conductor stranding:**
Solid alloys
- Nominal Voltage U0/U:**
300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
during operation: -40° to +125°C
during 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 XLPO-IST-oST-XLPO			
2x2x0,5 (20 AWG)	7,9	35,2	81
6x2x0,5 (20 AWG)	11,1	96,2	179
10x2x0,5 (20 AWG)	14,5	157,2	285
12x2x0,5 (20 AWG)	15,0	187,7	320
16x2x0,5 (20 AWG)	16,6	248,7	411
20x2x0,5 (20 AWG)	18,6	309,7	519
24x2x0,5 (20 AWG)	20,8	370,7	613
2x2x0,8 (18 AWG)	9,1	45,9	105
6x2x0,8 (18 AWG)	12,8	128,1	234
10x2x0,8 (18 AWG)	16,5	210,4	362
12x2x0,8 (18 AWG)	17,3	251,5	416
16x2x0,8 (18 AWG)	19,1	333,8	537
20x2x0,8 (18 AWG)	21,5	416,0	677
24x2x0,8 (18 AWG)	24,1	498,3	799
2x2x1,3 (16 AWG)	10,7	64,8	140
6x2x1,3 (16 AWG)	15,3	184,9	327
10x2x1,3 (16 AWG)	19,8	305,0	508
12x2x1,3 (16 AWG)	20,7	365,0	583
16x2x1,3 (16 AWG)	23,2	485,1	766
20x2x1,3 (16 AWG)	26,0	605,2	967
24x2x1,3 (16 AWG)	29,1	725,3	1.138

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

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AVAILABLE ALSO IN: Other conductor sizes and stranding



TT XLPO-*o*ST-XLPO-SWA-XLPO

Armoured, overall screened extension or compensating, LSZH 125 °C TT*/XLPO/OS/LSZH/SWA/LSZH (*Thermocouple Type Conductor)



Info

**TT UG10XOHM2FM2 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, XLPO insulated and LSZH jacketed 125 °C

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:** XLPO
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Inner sheath:** XLPO LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1
- **Armour:** Galvanized steel wire
- **Outer sheath:** XLPO 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:**
1000 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: -40° to +125°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 XLPO-<i>o</i>ST-XLPO-SWA-XLPO			
1x2x0,5 (20 AWG)	9,6	14,8	171
2x2x0,5 (20 AWG)	11,8	24,9	247
6x2x0,5 (20 AWG)	14,8	65,2	381
10x2x0,5 (20 AWG)	17,8	105,6	517
12x2x0,5 (20 AWG)	18,3	125,7	549
16x2x0,5 (20 AWG)	19,9	166,1	652
20x2x0,5 (20 AWG)	22,5	206,4	883
24x2x0,5 (20 AWG)	24,6	246,7	1.012
1x2x0,8 (18 AWG)	10,1	20,1	191
2x2x0,8 (18 AWG)	12,9	35,5	291
6x2x0,8 (18 AWG)	16,6	97,1	473
10x2x0,8 (18 AWG)	19,9	158,7	641
12x2x0,8 (18 AWG)	20,6	189,5	693
16x2x0,8 (18 AWG)	23,2	251,1	951
20x2x0,8 (18 AWG)	25,4	312,7	1.116
24x2x0,8 (18 AWG)	27,6	374,3	1.270
1x2x1,3 (16 AWG)	11,2	29,6	230
2x2x1,3 (16 AWG)	14,6	54,5	362
6x2x1,3 (16 AWG)	18,8	153,9	601
10x2x1,3 (16 AWG)	23,9	253,3	978
12x2x1,3 (16 AWG)	24,7	303,1	1.057
16x2x1,3 (16 AWG)	27,0	402,5	1.268
20x2x1,3 (16 AWG)	29,7	501,9	1.519
24x2x1,3 (16 AWG)	32,7	601,4	1.748

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

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AVAILABLE ALSO IN: Other conductor sizes and stranding, Armour SWB, DSTA



TT XLPO-iST-oST-XLPO-SWA-XLPO

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- Fire behaviour
- Oil resistant

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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:** XLPO
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Inner sheath:** XLPO LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1
- **Armour:** Galvanized steel wire
- **Outer sheath:** XLPO LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1

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- Insulation resistance:**
1000 MOhm x km
- Conductor stranding:**
Solid alloys
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300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
during operation: -40° to +125°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 XLPO-IST-oST-XLPO-SWA-XLPO			
2x2x0,5 (20 AWG)	12,7	35,2	286
6x2x0,5 (20 AWG)	15,9	96,2	451
10x2x0,5 (20 AWG)	19,5	157,2	636
12x2x0,5 (20 AWG)	20,0	187,7	681
16x2x0,5 (20 AWG)	22,5	248,7	933
20x2x0,5 (20 AWG)	24,8	309,7	1.109
24x2x0,5 (20 AWG)	27,0	370,7	1.265
2x2x0,8 (18 AWG)	14,0	45,9	335
6x2x0,8 (18 AWG)	17,9	128,1	549
10x2x0,8 (18 AWG)	22,5	210,4	882
12x2x0,8 (18 AWG)	23,3	251,5	957
16x2x0,8 (18 AWG)	25,3	333,8	1.142
20x2x0,8 (18 AWG)	27,7	416,0	1.349
24x2x0,8 (18 AWG)	30,5	498,3	1.556
2x2x1,3 (16 AWG)	15,5	64,8	402
6x2x1,3 (16 AWG)	20,6	184,9	706
10x2x1,3 (16 AWG)	26,0	305,0	1.131
12x2x1,3 (16 AWG)	26,9	365,0	1.230
16x2x1,3 (16 AWG)	29,6	485,1	1.497
20x2x1,3 (16 AWG)	32,7	605,2	1.794
24x2x1,3 (16 AWG)	36,6	725,3	2.264

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

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AVAILABLE ALSO IN: Other conductor sizes and stranding, Armour SWB, DSTA