

TT PVC-oST-PVC

Overall screened extension or compensating
TT*/PVC/OS/PVC
(*Thermocouple Type Conductor)



Info

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

Technical data

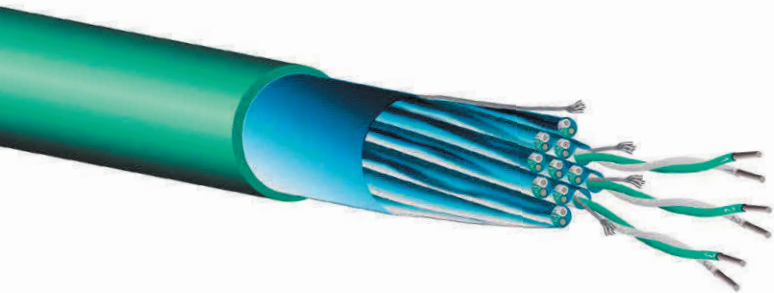
- Core identification code:**
in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)
- Insulation resistance:**
100 MOhm x km
- Conductor stranding:**
Solid alloys
- Nominal Voltage U0/U:**
300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
during operation: -30° to +70°C
during 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 PVC-oST-PVC | | | |
| 1x2x0,5 (20 AWG) | 4,9 | 14,8 | 34 |
| 2x2x0,5 (20 AWG) | 7,2 | 24,9 | 65 |
| 6x2x0,5 (20 AWG) | 10,0 | 65,2 | 135 |
| 10x2x0,5 (20 AWG) | 12,8 | 105,6 | 206 |
| 12x2x0,5 (20 AWG) | 13,2 | 125,7 | 229 |
| 16x2x0,5 (20 AWG) | 14,8 | 166,1 | 300 |
| 20x2x0,5 (20 AWG) | 16,5 | 206,4 | 371 |
| 24x2x0,5 (20 AWG) | 18,4 | 246,7 | 437 |
| 1x2x0,8 (18 AWG) | 5,5 | 20,1 | 43 |
| 2x2x0,8 (18 AWG) | 8,1 | 35,5 | 84 |
| 6x2x0,8 (18 AWG) | 11,6 | 97,1 | 187 |
| 10x2x0,8 (18 AWG) | 14,9 | 158,7 | 287 |
| 12x2x0,8 (18 AWG) | 15,4 | 189,5 | 320 |
| 16x2x0,8 (18 AWG) | 17,2 | 251,1 | 420 |
| 20x2x0,8 (18 AWG) | 19,2 | 312,7 | 521 |
| 24x2x0,8 (18 AWG) | 21,4 | 374,3 | 613 |
| 1x2x1,3 (16 AWG) | 6,6 | 29,6 | 60 |
| 2x2x1,3 (16 AWG) | 9,7 | 54,5 | 121 |
| 6x2x1,3 (16 AWG) | 13,7 | 153,9 | 270 |
| 10x2x1,3 (16 AWG) | 17,9 | 253,3 | 427 |
| 12x2x1,3 (16 AWG) | 18,5 | 303,1 | 479 |
| 16x2x1,3 (16 AWG) | 20,8 | 402,5 | 630 |
| 20x2x1,3 (16 AWG) | 23,3 | 501,9 | 797 |
| 24x2x1,3 (16 AWG) | 26,1 | 601,4 | 937 |

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 PVC-iST-oST-PVC

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



Info

TT URXHOHR 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, PVC 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:** PVC
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Outer sheath:** PVC, 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:** 100 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

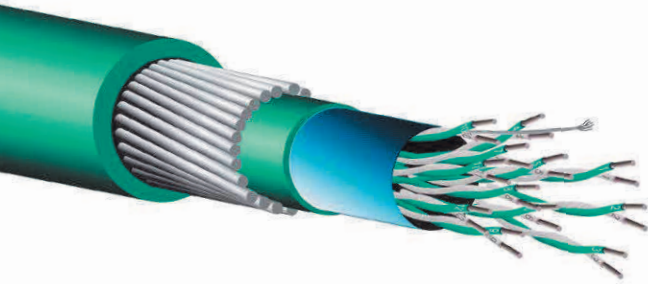
| Number cores and mm ² (AWG) per conductor | Approx. Outer Diameter mm | Copper index kg/km | Approx. Weight kg/km |
|--|---------------------------|--------------------|----------------------|
| TT PVC-iST-oST-PVC | | | |
| 2x2x0,5 (20 AWG) | 7,9 | 35,2 | 83 |
| 6x2x0,5 (20 AWG) | 11,1 | 96,2 | 182 |
| 10x2x0,5 (20 AWG) | 14,5 | 157,2 | 289 |
| 12x2x0,5 (20 AWG) | 15,0 | 187,7 | 325 |
| 16x2x0,5 (20 AWG) | 16,6 | 248,7 | 418 |
| 20x2x0,5 (20 AWG) | 18,6 | 309,7 | 527 |
| 24x2x0,5 (20 AWG) | 20,8 | 370,7 | 623 |
| 2x2x0,8 (18 AWG) | 9,1 | 45,9 | 107 |
| 6x2x0,8 (18 AWG) | 12,8 | 128,1 | 237 |
| 10x2x0,8 (18 AWG) | 16,5 | 210,4 | 368 |
| 12x2x0,8 (18 AWG) | 17,3 | 251,5 | 423 |
| 16x2x0,8 (18 AWG) | 19,1 | 333,8 | 545 |
| 20x2x0,8 (18 AWG) | 21,5 | 416,0 | 688 |
| 24x2x0,8 (18 AWG) | 24,1 | 498,3 | 811 |
| 2x2x1,3 (16 AWG) | 10,7 | 64,8 | 142 |
| 6x2x1,3 (16 AWG) | 15,3 | 184,9 | 332 |
| 10x2x1,3 (16 AWG) | 19,8 | 305,0 | 516 |
| 12x2x1,3 (16 AWG) | 20,7 | 365,0 | 593 |
| 16x2x1,3 (16 AWG) | 23,2 | 485,1 | 778 |
| 20x2x1,3 (16 AWG) | 26,0 | 605,2 | 982 |
| 24x2x1,3 (16 AWG) | 29,1 | 725,3 | 1.156 |

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 PVC-oST-PVC-SWA-PVC

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



Info

TT URXOHRFR 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,
PVC 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:** PVC
- **Screen:** OS Aluminum/PET + TC Drain wire
- **Inner sheath:** PVC, color in accordance with IEC 60584-3, or ISA MC 96.1
- **Armour:** Galvanized steel wire
- **Outer sheath:** PVC, 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:
100 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 PVC-oST-PVC-SWA-PVC | | | |
| 1x2x0,5 (20 AWG) | 9,6 | 14,8 | 174 |
| 2x2x0,5 (20 AWG) | 11,8 | 24,9 | 252 |
| 6x2x0,5 (20 AWG) | 14,8 | 65,2 | 388 |
| 10x2x0,5 (20 AWG) | 17,8 | 105,6 | 529 |
| 12x2x0,5 (20 AWG) | 18,3 | 125,7 | 561 |
| 16x2x0,5 (20 AWG) | 19,9 | 166,1 | 667 |
| 20x2x0,5 (20 AWG) | 22,5 | 206,4 | 900 |
| 24x2x0,5 (20 AWG) | 24,6 | 246,7 | 1.033 |
| 1x2x0,8 (18 AWG) | 10,1 | 20,1 | 194 |
| 2x2x0,8 (18 AWG) | 12,9 | 35,5 | 296 |
| 6x2x0,8 (18 AWG) | 16,6 | 97,1 | 483 |
| 10x2x0,8 (18 AWG) | 19,9 | 158,7 | 655 |
| 12x2x0,8 (18 AWG) | 20,6 | 189,5 | 708 |
| 16x2x0,8 (18 AWG) | 23,2 | 251,1 | 970 |
| 20x2x0,8 (18 AWG) | 25,4 | 312,7 | 1.138 |
| 24x2x0,8 (18 AWG) | 27,6 | 374,3 | 1.295 |
| 1x2x1,3 (16 AWG) | 11,2 | 29,6 | 234 |
| 2x2x1,3 (16 AWG) | 14,6 | 54,5 | 369 |
| 6x2x1,3 (16 AWG) | 18,8 | 153,9 | 613 |
| 10x2x1,3 (16 AWG) | 23,9 | 253,3 | 997 |
| 12x2x1,3 (16 AWG) | 24,7 | 303,1 | 1.078 |
| 16x2x1,3 (16 AWG) | 27,0 | 402,5 | 1.293 |
| 20x2x1,3 (16 AWG) | 29,7 | 501,9 | 1.549 |
| 24x2x1,3 (16 AWG) | 32,7 | 601,4 | 1.784 |

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 PVC-iST-oST-PVC-SWA-PVC

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



Info

**TT URXHOHRFR 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 individual and overall screened cable, PVC 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:** PVC
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Inner sheath:** PVC, color in accordance with IEC 60584-3, or ISA MC 96.1
- **Armour:** Galvanized steel wire
- **Outer sheath:** PVC, 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:
100 MOhm x km



Conductor stranding:
Solid alloys according to IEC 60584-3, ISA MC 96.1



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 PVC-iST-oST-PVC-SWA-PVC | | | |
| 2x2x0,5 (20 AWG) | 12,7 | 35,2 | 291 |
| 6x2x0,5 (20 AWG) | 15,9 | 96,2 | 459 |
| 10x2x0,5 (20 AWG) | 19,5 | 157,2 | 648 |
| 12x2x0,5 (20 AWG) | 20,0 | 187,7 | 695 |
| 16x2x0,5 (20 AWG) | 22,5 | 248,7 | 949 |
| 20x2x0,5 (20 AWG) | 24,8 | 309,7 | 1.129 |
| 24x2x0,5 (20 AWG) | 27,0 | 370,7 | 1.288 |
| 2x2x0,8 (18 AWG) | 14,0 | 45,9 | 341 |
| 6x2x0,8 (18 AWG) | 17,9 | 128,1 | 560 |
| 10x2x0,8 (18 AWG) | 22,5 | 210,4 | 898 |
| 12x2x0,8 (18 AWG) | 23,3 | 251,5 | 974 |
| 16x2x0,8 (18 AWG) | 25,3 | 333,8 | 1.162 |
| 20x2x0,8 (18 AWG) | 27,7 | 416,0 | 1.374 |
| 24x2x0,8 (18 AWG) | 30,5 | 498,3 | 1.585 |
| 2x2x1,3 (16 AWG) | 15,5 | 64,8 | 410 |
| 6x2x1,3 (16 AWG) | 20,6 | 184,9 | 720 |
| 10x2x1,3 (16 AWG) | 26,0 | 305,0 | 1.151 |
| 12x2x1,3 (16 AWG) | 26,9 | 365,0 | 1.253 |
| 16x2x1,3 (16 AWG) | 29,6 | 485,1 | 1.525 |
| 20x2x1,3 (16 AWG) | 32,7 | 605,2 | 1.828 |
| 24x2x1,3 (16 AWG) | 36,6 | 725,3 | 2.305 |

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