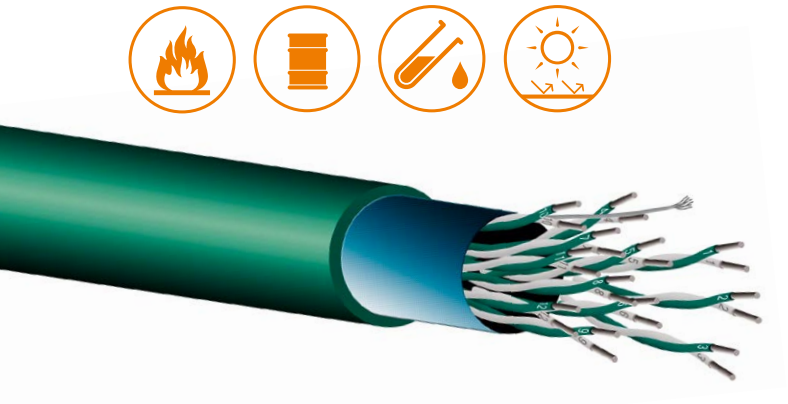
CABLES	PAG	NOMENCLATUE	CORE INSULATION	SCREEN	CHEMICAL BARRIER	
TT PVC-oST-PVC	80	TT URXOHR 300 V, EN 50288-7 IEC 60584-3, ISA MC 96.1	PVC	OS Aluminum/PET + TC Drain wire	-	
TT PVC-iST-oST-PVC	81	TT URXHOHR 300 V, EN 50288-7 IEC 60584-3, ISA MC 96.1	PVC	IS/OS Aluminum/PET + TC Drain wire	-	
TT PVC-oST-PVC-SWA-PVC	82	TT URXOHRFR 300 V, EN 50288-7 IEC 60584-3, ISA MC 96.1	PVC	OS Aluminum/PET + TC Drain wire	-	
TT PVC-iST-oST-PVC-SWA-PVC	83	TT URXHOHRFR 300 V, EN 50288-7 IEC 60584-3, ISA MC 96.1	PVC	IS/OS Aluminum/PET + TC Drain wire	-	
TT XLPE-oST-LSZH	84	TT UE4XOHM1 300 V, EN 50288-7 IEC 60584-3, ISA MC 96.1	XLPE	OS Aluminum/PET + TC Drain wire	-	
TT XLPE-iST-oST-LSZH	85	TT UE4XHOHM1 300 V, EN 50288-7 IEC 60584-3, ISA MC 96.1	XLPE	IS/OS Aluminum/PET + TC Drain wire	-	
TT XLPE-oST-LSZH-SWA-LSZH	86	TT UE4XOHM1FM1 300 V EN 50288-7, IEC 60584-3, ISA MC 96.1	XLPE	OS Aluminum/PET + TC Drain wire	-	
TT XLPE-iST-oST-LSZH-SWA-LSZH	87	TT UE4XHOHM1FM1 300 V EN 50288-7, IEC 60584-3, ISA MC 96.1	XLPE	IS/OS Aluminum/PET + TC Drain wire	-	
TT XLPO-oST-XLPO	88	TT UG10XOHM2 300 V EN 50288-7, IEC 60584-3, ISA MC 96.1	XLPO	OS Aluminum/PET + TC Drain wire	-	
TT XLPO-iST-oST-XLPO	89	TT UG10XHOHM2 300 V EN 50288-7, IEC 60584-3, ISA MC 96.1	XLPO	IS/OS Aluminum/PET + TC Drain wire	-	
TT XLPO-oST-XLPO-SWA-XLPO	90	TT UG10XOHM2FM2 300 V EN 50288-7, IEC 60584-3, ISA MC 96.1	XLPO	OS Aluminum/PET + TC Drain wire	-	
TT XLPO-iST-oST-XLPO-SWA-XLPO	91	TT UG10XHOHM2FM2 300 V EN 50288-7, IEC 60584-3, ISA MC 96.1	XLPO	IS/OS Aluminum/PET + TC Drain wire	-	
TT XLPE-iST-oST-PVC-LEAD-PVC-SWA-PVC	92	TT UE4XHOHRLRFR 300 V EN 50288-7, IEC 60584-3, ISA MC 96.1	XLPE	IS/OS Aluminum/PET + TC Drain wire	Lead sheath	
TT XLPE-iST-oST-AL/HDPE/PA-SWA-PVC	93	TT UE4XHOH5ER4FR 300 V EN 50288-7, IEC 60584-3, ISA MC 96.1	XLPE	IS Aluminum/PET + TC Drain wire, OS Aluminum longitudinal tape (AL) + TC Drain wire	AL/HDPE/PA	

	CONDUCTOR STRANDING	ARMOUR	NOMINAL VOLTAGE Uo/U	OPERATING TEMP. MIN. °C	OPERATING TEMP. MAX °C	REFERENCE NORMS
	Solid alloys	-	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 60754-1 (max 20%)
	Solid alloys	-	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 60754-1 (max 20%)
	Solid alloys	Galvanized Steel Wire	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 60754-1 (max 20%)
	Solid alloys	Galvanized Steel Wire	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 60754-1 (max 20%)
	Solid alloys	-	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 61034-1 and 2, IEC 60754-1 and 2
	Solid alloys	-	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 61034-1 and 2, IEC 60754-1 and 2
	Solid alloys	Galvanized Steel Wire	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 61034-1 and 2, IEC 60754-1 and 2
	Solid alloys	Galvanized Steel Wire	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 61034-1 and 2, IEC 60754-1 and 2
	Solid alloys	-	300/300 V	-40	+125	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 61034-1 and 2, IEC 60754-1 and 2
	Solid alloys	-	300/300 V	-40	+125	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 61034-1 and 2, IEC 60754-1 and 2
	Solid alloys	Galvanized Steel Wire	300/300 V	-40	+125	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 61034-1 and 2, IEC 60754-1 and 2
	Solid alloys	Galvanized Steel Wire	300/300 V	-40	+125	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A), IEC 61034-1 and 2, IEC 60754-1 and 2
	Solid alloys	Galvanized Steel Wire	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60332-3-22 (Cat. A) , IEC 60754-1 (max 20%)
	Solid alloys	Galvanized Steel Wire	300/300 V	-30	+70	CEI 20-34/0, IEC 60332-1-2, IEC 60754-1 (max 20%)



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

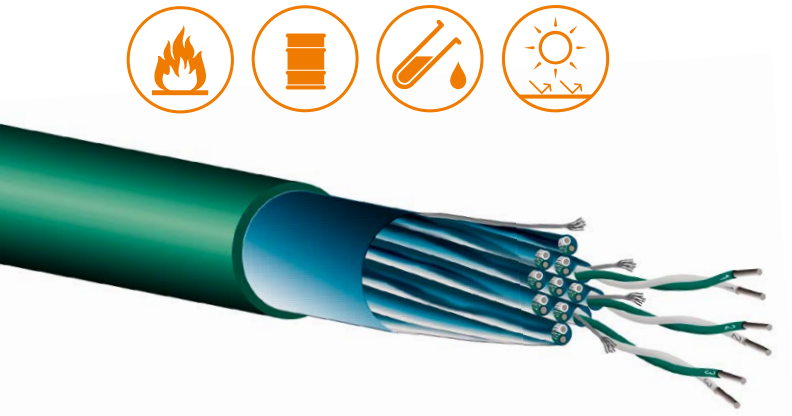
Minimum Bending Radius:
8 x Outer Diameter

Number cores and mm² (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 mm² (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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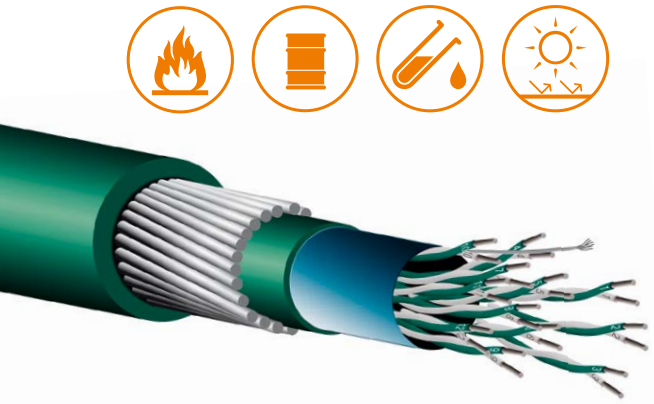
Photographs are not to scale and do not represent detailed images of the respective products

AVAILABLE ALSO IN: Other conductor sizes and stranding



TT PVC-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 mm² (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

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

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

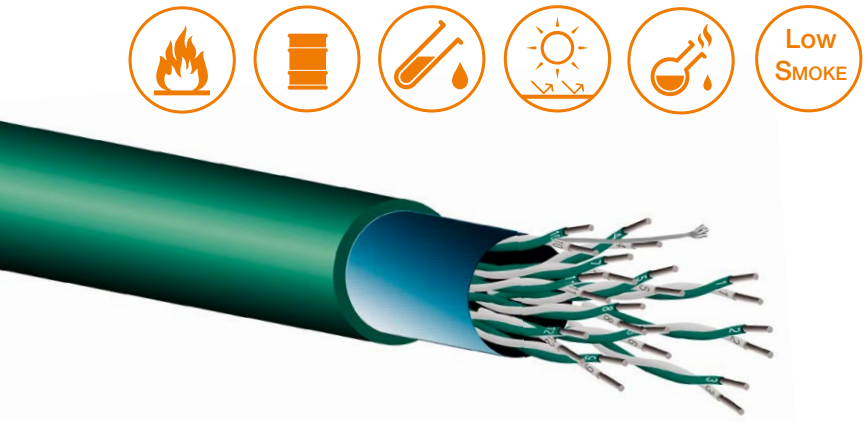
Minimum Bending Radius:
10 x Outer Diameter

Number cores and mm² (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

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



TT XLPE-oST-LSZH

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

Info

TT UE4XOHM1 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

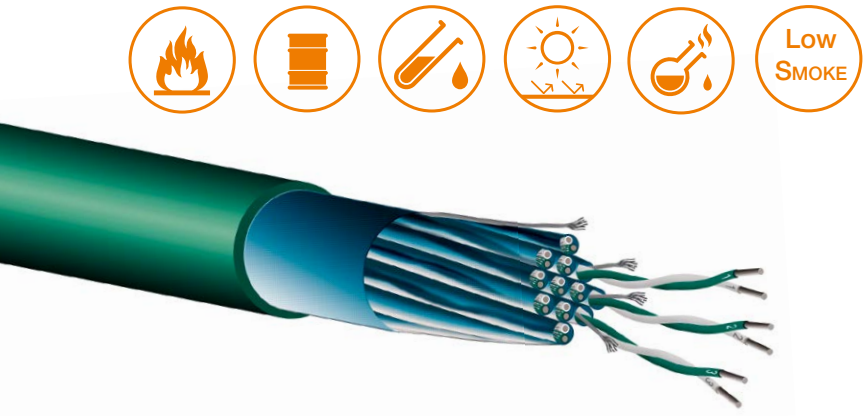
Minimum Bending Radius:
8 x Outer Diameter

Number cores and mm² (AWG) per conductor	Approx. Outer Diameter mm	Alloy index kg/km	Approx. Weight kg/km
TT XLPE-oST-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



TT XLPE-iST-oST-LSZH

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

Info

TT UE4XHOHM1 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

ATwisted pair, individual and 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:** IS/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

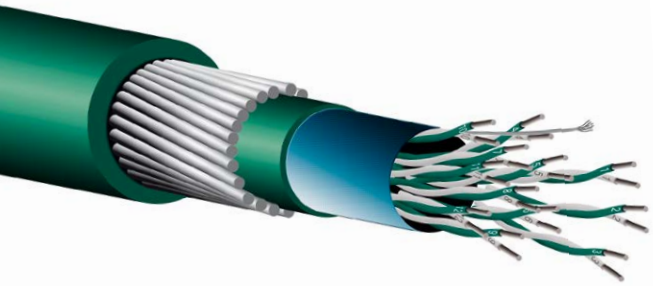
Minimum Bending Radius:
8 x Outer Diameter

Number cores and mm² (AWG) per conductor	Approx. Outer Diameter mm	Copper index kg/km	Approx. Weight kg/km
TT XLPE-iST-oST-LSZH			
2x2x0,5 (20 AWG)	7,9	35,2	81
6x2x0,5 (20 AWG)	11,1	96,2	175
10x2x0,5 (20 AWG)	14,5	157,2	277
12x2x0,5 (20 AWG)	15,0	187,7	310
16x2x0,5 (20 AWG)	16,6	248,7	397
20x2x0,5 (20 AWG)	18,6	309,7	500
24x2x0,5 (20 AWG)	20,8	370,7	591
2x2x0,8 (18 AWG)	9,1	45,9	104
6x2x0,8 (18 AWG)	12,8	128,1	228
10x2x0,8 (18 AWG)	16,5	210,4	351
12x2x0,8 (18 AWG)	17,3	251,5	403
16x2x0,8 (18 AWG)	19,1	333,8	517
20x2x0,8 (18 AWG)	21,5	416,0	653
24x2x0,8 (18 AWG)	24,1	498,3	769
2x2x1,3 (16 AWG)	10,7	64,8	138
6x2x1,3 (16 AWG)	15,3	184,9	317
10x2x1,3 (16 AWG)	19,8	305,0	491
12x2x1,3 (16 AWG)	20,7	365,0	562
16x2x1,3 (16 AWG)	23,2	485,1	737
20x2x1,3 (16 AWG)	26,0	605,2	929
24x2x1,3 (16 AWG)	29,1	725,3	1.093

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 XLPE-oST-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 mm² (AWG) per conductor	Approx. Outer Diameter mm	Copper index kg/km	Approx. Weight kg/km
TT XLPE-oST-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

TT XLPE-iST-oST-LSZH-SWA-LSZH

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

Info

TT UE4XHOHM1FM1 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, 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:** IS/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

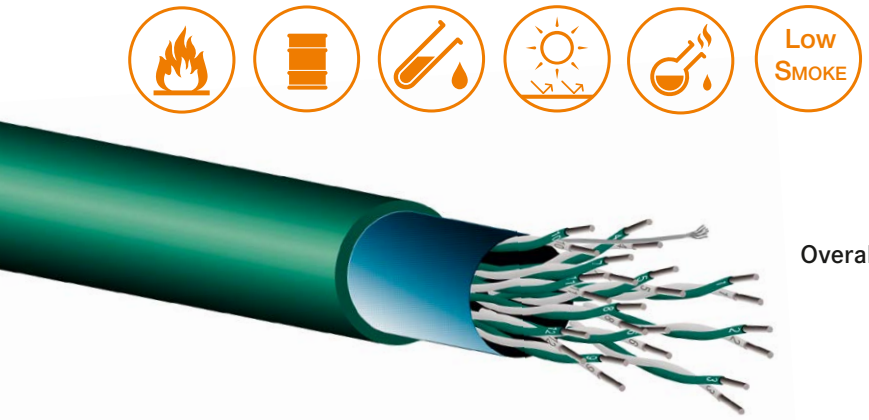
- **Core identification code:** in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)
- **Insulation resistance:** 5000 MOhm x km
- **Conductor stranding:** Solid alloys
- **Nominal Voltage U0/U:** 300/300 V
- **Test voltage:** C/C 1500 V x 1 minute
- **Temperature range:** during operation: -30° to +70°C during installation: -5° to +50°C
- **Minimum Bending Radius:** 10 x Outer Diameter

Number cores and mm² (AWG) per conductor	Approx. Outer Diameter mm	Copper index kg/km	Approx. Weight kg/km
TT XLPE-iST-oST-LSZH-SWA-LSZH			
2x2x0,5 (20 AWG)	12,7	35,2	290
6x2x0,5 (20 AWG)	15,9	96,2	452
10x2x0,5 (20 AWG)	19,5	157,2	636
12x2x0,5 (20 AWG)	20,0	187,7	680
16x2x0,5 (20 AWG)	22,5	248,7	929
20x2x0,5 (20 AWG)	24,8	309,7	1.103
24x2x0,5 (20 AWG)	27,0	370,7	1.256
2x2x0,8 (18 AWG)	14,0	45,9	340
6x2x0,8 (18 AWG)	17,9	128,1	551
10x2x0,8 (18 AWG)	22,5	210,4	882
12x2x0,8 (18 AWG)	23,3	251,5	954
16x2x0,8 (18 AWG)	25,3	333,8	1.134
20x2x0,8 (18 AWG)	27,7	416,0	1.338
24x2x0,8 (18 AWG)	30,5	498,3	1.542
2x2x1,3 (16 AWG)	15,5	64,8	407
6x2x1,3 (16 AWG)	20,6	184,9	706
10x2x1,3 (16 AWG)	26,0	305,0	1.126
12x2x1,3 (16 AWG)	26,9	365,0	1.222
16x2x1,3 (16 AWG)	29,6	485,1	1.483
20x2x1,3 (16 AWG)	32,7	605,2	1.775
24x2x1,3 (16 AWG)	36,6	725,3	2.241

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



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 mm² (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

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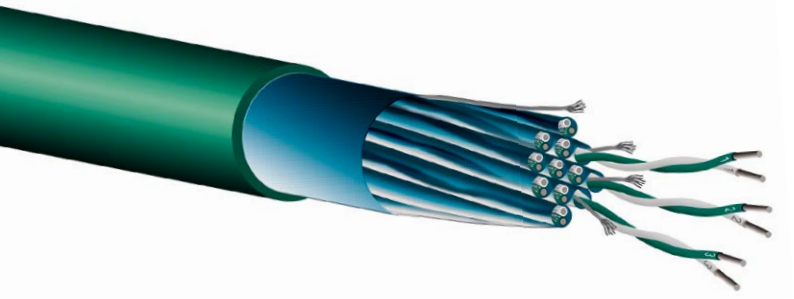
AVAILABLE ALSO IN: Other conductor sizes and stranding



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

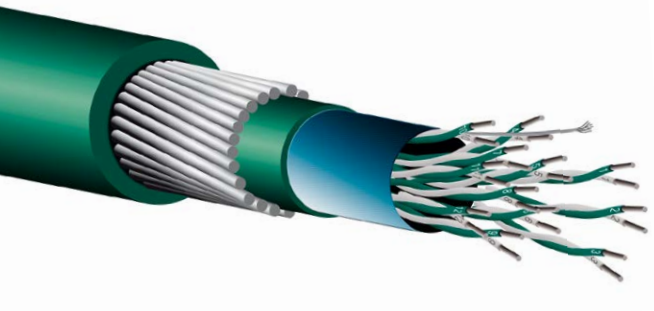
Minimum Bending Radius:
8 x Outer Diameter

Number cores and mm² (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

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-oST-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 mm² (AWG) per conductor	Approx. Outer Diameter mm	Copper index kg/km	Approx. Weight kg/km
TT XLPO-oST-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

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

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

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

Info

TT UG10XHOHM2FM2 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, 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
- **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 mm² (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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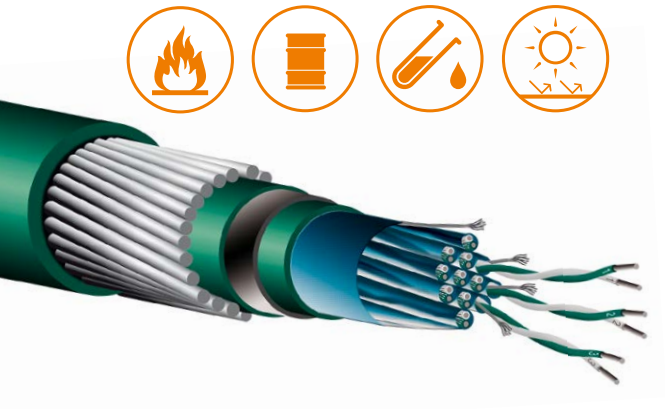
AVAILABLE ALSO IN: Other conductor sizes and stranding, Armour SWB, DSTA



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 mm² (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

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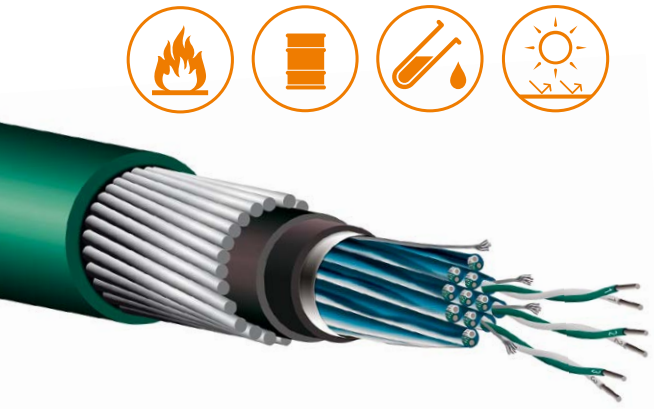
AVAILABLE ALSO IN: Other conductor sizes and stranding



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 mm² (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

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AVAILABLE ALSO IN: Other conductor sizes and stranding