




# Habiatherm™ / HT5

PTFE insulated, PFA sheathed thermocouple extension cables

Intended for use as thermocouple extension cabling for appliances or electrical equipment

600/1000 V AC

Order reference		Cores				Finished cable			Electrical	
	No. of cores	Nickel Chromel (NiCr) + Copper Nickel (CuNi) -		PTFE	-	PFA	Weight	20°C DC resistance	DC current rating	
		Size	Wire	Insulation	Shield	Sheath		NiCr CuNi	In free air at 40°C	
Description	Article Number	Lay up	mm <sup>2</sup> (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps
EX-1 UTEA-K 2x0,22	700044725	2	0.22 (24)	0.60	1.10	-	2.7	11	<u>3079</u> 2131	N/A
EX-1 UTEA-K 2x1,2	700044727		1.23 (16)	1.42	2.08	-	4.9	43	<u>603</u> 417	N/A
	No. of cores	Iron (Fe) + Copper Nickel (CuNi) -		PTFE	-	PFA	Weight	20°C DC resistance	DC current rating	
		Size	Wire	Insulation	Shield	Sheath		Fe CuNi	In free air at 40°C	
Description	Article Number	Lay up	mm <sup>2</sup> (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps
JX-1 UTEA-K 2x0,22	700044728	2	0.22 (24)	0.60	1.10	-	2.7	11	<u>423</u> 2131	N/A
JX-1 UTEA-K 2x1,2	700044729		1.23 (16)	1.42	2.08	-	4.9	41	<u>82.9</u> 417	N/A
	No. of cores	Nickel Chromel (NiCr) + Nickel Alumel (NiAl) -		PTFE	-	PFA	Weight	20°C DC resistance	DC current rating	
		Size	Wire	Insulation	Shield	Sheath		NiCr NiAl	In free air at 40°C	
Description	Article Number	Lay up	mm <sup>2</sup> (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps
KX-1 UTEA-K 2x0,22	700044730	2	0.22 (24)	0.60	1.10	-	2.7	11	<u>3079</u> 1282	N/A
KX-1 UTEA-K 2x0,5	700044731		0.50	0.95	1.45	-	3.4	18	<u>1973</u> 614	N/A
KX-1 UTEA-K 2x0,75	700044732		0.75	1.10	1.65	-	3.8	25	<u>983</u> 409	N/A
KX-1 UTEA-K 2x1,2	700044733		1.23 (16)	1.42	2.03	-	4.8	41	<u>603</u> 251	N/A

## Cable identification (according to IEC 60584.3)

Cores  
 EX: 1<sup>st</sup>: Violet (Positive leg), 2<sup>nd</sup>: White (Negative leg)  
 JX: 1<sup>st</sup>: Black (Positive leg), 2<sup>nd</sup>: White (Negative leg)  
 KX: 1<sup>st</sup>: Green (Positive leg), 2<sup>nd</sup>: White (Negative leg)



Sheath  
 EX: Violet  
 JX: Black  
 KX: Green



Marking Habitherm - Description - Cores x Size - Voltage - Screen - Article No. - Year-Week

## Characteristics and key properties

CE	UK CA	RoHS REACH LVD	Current rating DIN VDE 0298-4	Fluid resistant Fuel Oil Water	Flame resistant	Smoke free	MBR Fixed = 5x Ø Flexing = 10x Ø
Complies with IEC / EN 60584-3						Temp low -65°C	Temp >20,000 hrs +200°C

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# Habiatherm™ / HT5

PTFE insulated, PFA sheathed, shielded thermocouple extension cables  
 Intended for use as thermocouple extension cabling for appliances or electrical equipment  
 600/1000 V AC

Order reference		Cores				Finished cable			Electrical	
Description	Article Number	No. of cores	Nickel Chromel (NiCr) + Copper Nickel (CuNi) -		PTFE	NPC braid	PFA	Weight	20°C DC resistance	DC current rating
			Size	Wire	Insulation	Shield	Sheath		NiCr CuNi	In free air at 40°C
Description	Article Number	Lay up	mm² (AWG)	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	Max Ω/km	Amps
	EX-1 STEA-K 2x0,22	2	0.22 (24)	0.60	1.10	2.7	3.2	19	<u>3079</u> 2131	N/A
			1.23 (16)	1.42	2.08	4.6	5.3	56	<u>603</u> 417	N/A
	JX-1 STEA-K 2x0,22	2	0.22 (24)	0.60	1.10	2.7	3.2	19	<u>423</u> 2131	N/A
			1.23 (16)	1.42	2.08	4.6	5.3	56	<u>82,9</u> 417	N/A
	KX-1 STEA-K 2x0,22	2	0.22 (24)	0.60	1.10	2.7	3.2	19	<u>3079</u> 1282	N/A
			0.50	0.95	1.45	3.4	3.9	29	<u>1973</u> 614	N/A
			0.75	1.10	1.65	3.8	4.3	35	<u>983</u> 409	N/A
			1.23 (16)	1.42	2.03	4.6	5.3	54	<u>603</u> 251	N/A

Cable identification (according to IEC 60584.3)

Cores EX: 1<sup>st</sup>: Violet (Positive leg), 2<sup>nd</sup>: White (Negative leg)  
 JX: 1<sup>st</sup>: Black (Positive leg), 2<sup>nd</sup>: White (Negative leg)  
 KX: 1<sup>st</sup>: Green (Positive leg), 2<sup>nd</sup>: White (Negative leg)





Sheath EX: Violet  
 JX: Black  
 KX: Green



Marking Habitherm - Description - Cores x Size - Voltage - Screen - Article No. - Year-Week

Characteristics and key properties

		RoHS REACH LVD	<b>Current rating</b> DIN VDE 0298-4	<b>Fluid resistant</b> Fuel Oil Water	<b>Flame resistant</b>	<b>Smoke free</b>	<b>MBR</b> Fixed = 5x Ø Flexing = 10x Ø
<b>Complies with</b> IEC / EN 60584-3						<b>Temp low</b> -65°C	<b>Temp</b> >20,000 hrs +200°C

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