














Picture Price List Industrial Trace Heating valid from 1st of January 2024

Type Number	Description	Price
230V AC Self-Limiting Heating Tapes (277V AC max.) (Also available as 110V AC upon request)		
Ex-Industrial Low Temperature Heating Tapes with Polyolefin Insulation, Tinned-Copper Earth Braiding & Polyolefin Outerjacket, withstand temperature (on/off) 85/85°C		
	ILLW102CT/QX	13,50 €
	ILLW172CT/QX	13,50 €
	ILLW252CT/QX	14,00 €
	ILLW312CT/QX	14,00 €
	ILLW402CT/QX	14,00 €
Ex-Industrial Low Temperature Heating Tapes with Polyolefin Insulation, Tinned-Copper Earth Braiding & Fluoropolymer Outerjacket, withstand temperature (on/off) 85/85°C		
	ILLW102CF/QX	16,00 €
	ILLW172CF/QX	16,00 €
	ILLW252CF/QX	16,50 €
	ILLW312CF/QX	16,50 €
	ILLW402CF/QX	16,50 €
Ex-Industrial Medium Temperature Heating Tapes with Polyolefin Insulation, Tinned-Copper Earth Braiding & Polyolefin Outerjacket, withstand temperature (on/off) 100/100°C		
	ILM172CT/QX	18,70 €
	ILM312CT/QX	18,70 €
	ILMW452CT/QX	23,70 €
	ILMW602CT/QX	23,70 €
Ex-Industrial Medium Temperature Heating Tapes with Polyolefin Insulation, Tinned-Copper Earth Braiding & Fluoropolymer Outerjacket, withstand temperature (on/off) 100/100°C		
	ILM172CF/QX	22,30 €
	ILM312CF/QX	22,30 €
	ILMW452CF/QX	25,30 €
	ILMW602CF/QX	25,30 €
Ex-Industrial Extra-High Temperature Heating Tapes with Fluoropolymer Insulation, Tinned-Copper Earth Braiding & Fluoropolymer Outerjacket, withstand temperature (on/off) 200/225°C		
	ILH152CF/QX	46,00 €
	ILH302CF/QX	46,00 €
	ILH452CF/QX	46,50 €
	ILH602CF/QX	46,50 €
	ILH752CF/QX	46,50 €
Ex-Industrial Super-High Temperature Heating Tapes with Fluoropolymer Insulation, Nickel-Plated-Copper Earth Braiding & Fluoropolymer Outerjacket, withstand temperature (on/off) 220/250°C		
	ILS152NF/QX	66,00 €
	ILS302NF/QX	66,00 €
	ILS452NF/QX	66,50 €
	ILS602NF/QX	66,50 €
	ILS752NF/QX	66,50 €
	ILS902NF/QX	66,50 €
	ILSW1202NF/QX	93,30 €






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Type Number	Description	Price
12V AC/DC Self-Limiting Heating Tapes		
12V Industrial Low Temperature Heating Tapes with Polyolefin Insulation, Tinned-Copper Earth Braiding & Polyolefin Overjacket, withstand temperature (on/off) 85/85°C		
 ILL12S12CT/QX	12 W/m @ 10°C, 12V AC/DC (T6).	15,60 €
ILL17S12CT/QX	17 W/m @ 10°C, 12V AC/DC (T6).	15,60 €
ILL30S12CT/QX	30 W/m @ 10°C, 12V AC/DC (T6).	17,20 €
12V Industrial Low Temperature Heating Tapes with Polyolefin Insulation, Tinned-Copper Earth Braiding & Fluoropolymer Overjacket, withstand temperature (on/off) 85/85°C		
 ILL12S12CF/QX	12 W/m @ 10°C, 12V AC/DC (T6).	23,70 €
ILL17S12CF/QX	17 W/m @ 10°C, 12V AC/DC (T6).	23,70 €
ILL30S12CF/QX	30 W/m @ 10°C, 12V AC/DC (T6).	29,00 €
24V AC/DC Self-Limiting Heating Tapes		
24V Industrial Low Temperature Heating Tapes with Polyolefin Insulation, Tinned-Copper Earth Braiding & Polyolefin Overjacket, withstand temperature (on/off) 85/85°C		
 ILL12S24CT/QX	12 W/m @ 10°C, 24V AC/DC (T6).	15,60 €
ILL17S24CT/QX	17 W/m @ 10°C, 24V AC/DC (T6).	15,60 €
ILL30S24CT/QX	30 W/m @ 10°C, 24V AC/DC (T6).	17,20 €
24V Industrial Low Temperature Heating Tapes with Polyolefin Insulation, Tinned-Copper Earth Braiding & Fluoropolymer Overjacket, withstand temperature (on/off) 85/85°C		
 ILL12S24CF/QX	12 W/m @ 10°C, 24V AC/DC (T6).	23,70 €
ILL17S24CF/QX	17 W/m @ 10°C, 24V AC/DC (T6).	23,70 €
ILL30S24CF/QX	30 W/m @ 10°C, 24V AC/DC (T6).	29,00 €
Non-Ex-Heat-Shrink Termination Kits for Self-Limiting Heating Tapes		
Termination Systems for use with Connection Cables or Splicing with ceramic terminal block for type CLD, ILLw, ILM, ILH, heating tapes		
 IAL3SK1	Powered & Remote end seals for Polyolefin outer sheath	20,80 €
IAL3SK1 F	Powered & Remote end seals for Fluoropolymer outer sheath	24,60 €
IAL3VK1	In-line Splice (heating tape-heating tape) for Polyolefin outer sheath	18,80 €
IAL3VK1 F	In-line Splice (heating tape - heating tape) for Fluoropolymer outer sheath	19,30 €
Remote End Seals for type CLD, ILLw, ILM & ILMw heating tapes		
 IAL3E	Remote End seal for Polyolefin (CT) outer sheath	4,90 €
IAL3E F	Remote End seal for Fluoropolymer (CF) outer sheath	8,60 €
Termination Systems with Remote End Seal & Powered End Seal complete with M20 PA Gland for type CLD, ILLw, ILM, ILH heating tapes with Polyolefin (CT) outer sheath, suitable for direct entry into JB's		
 IAL3SAG1	with 100mm long sleeves	12,10 €
IAL3SAG2	with 200mm long sleeves	12,60 €
IAL3SAG3	with 300mm long sleeves	13,10 €







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Type Number	Description	Price
Ex-Heat-Shrink Termination Kits for Self-Limiting Heating Tapes		
Ex mb-Termination Systems for use only in conjunction with Quintex Tapes & Connection Cables suitable for ILLw, ILM & ILMw heating tapes with Polyolefin (CT) outer sheath, temperature range -40 to +65°C		
 IAL3EX MKSA	Powered End Termination Kit with ceramic terminal block	29,20 €
IAL3EX MKSE	Remote End Termination Kit	9,60 €
IAL3Ex MKSS	Remote End & Powered End Termination Kit with ceramic terminal block	31,00 €
IAL3EX MKSV	In-line Splice (heating tape-heating tape) Termination Kit with ceramic terminal block	29,20 €
Ex mb-Termination Systems for use only in conjunction with Quintex Tapes & Connection Cables suitable for ILLw, ILM & ILMw heating tapes with Fluoropolymer (CF) outer sheath, temperature range -20 to +85°C		
 IAL3EX MKSA F	Powered End Termination kit with ceramic terminal block	32,40 €
IAL3EX MKSE F	Remote End Termination kit	11,60 €
IAL3EX MKSS F	Remote End & Powered End Termination kit with ceramic terminal block	42,10 €
IAL3Ex MKSV F	In-line Splice (heating tape - heating tape) Termination kit with ceramic terminal block	32,40 €
Ex mb-Termination Systems for use only in conjunction with Quintex Tapes & Connection Cables suitable for ILLw, ILM & ILMw heating tapes with Polyolefin (CT) outerjacket, temperature range -25 to +85°C		
 IAL3EX MQSA	Powered End Heat-shrink Termination kit with crimp terminals	26,60 €
IAL3EX MQSE	Remote End Heat-shrink Termination kit	9,60 €
IAL3Ex MQSS	Remote End & Powered End Termination kit with crimp terminals	27,00 €
IAL3EX MQSV	In-line Splice (heating tape-heating tape) Heat-shrink Termination kit with crimp terminals	25,80 €
Ex mb-Termination Systems for use only in conjunction with Quintex Tapes & Connection Cables suitable for ILLw, ILM & ILMw heating tapes with Fluoropolymer (CF) outerjacket, temperature range -20 to +85°C		
 IAL3EX MQSA F	Powered End Termination kit with crimp terminals	29,50 €
IAL3EX MQSE F	Remote End Termination kit	11,60 €
IAL3Ex MQSS F	Remote End & Powered End Termination kit with crimp terminals	39,20 €
IAL3EX MQSV F	In-line Splice (heating tape-heating tape) Termination kit with crimp terminals	29,70 €
Ex mb-Termination Systems for use only in conjunction with Quintex Tapes & Connection Cables suitable for ILH & ILS heating tapes with Fluoropolymer (CF or NF) outerjacket, temperature range -55 to +180°C		
 IAL3EX HQSA	Powered End Termination kit with crimp terminals	36,00 €
IAL3EX HQSE	Remote End Termination kit with crimp terminals	15,90 €
IAL3Ex HQSS	Remote End & Powered End Termination kit with crimp terminals	42,10 €
IAL3EX HQSV	In-line Splice (heating tape-heating tape) Termination kit with crimp terminals	36,30 €
Cold Applied Termination Kits for Self-Limiting Heating Tapes		
Termination box for direct entry with mounting accessories		
 IAL1SS1	for 1 Heating circuit type ILL..S, ILLw, ILM, ILH & ILS heating tapes	222,50 €
IAL1BS1	for 1 Heating circuit type ILMw, heating tapes	222,50 €
IAL1SS2	for 2 Heating circuits type ILL..S, ILLw, ILM, ILH & ILS heating tapes	222,50 €
IAL1BS2	for 2 Heating circuits type ILMw, heating tapes	222,50 €
IAL1D1	Mounting Foot Unit (stand alone item)	61,60 €
Cold Applied Ex-Termination Systems for Quintex Self-Limiting Heating Tapes, suitable for direct entry into JB's (incl RTV Silicone Glue), temperature range -60 to +200°C suitable for ILLw, ILM, ILH & ILS heating tapes		
 IAL4BA	Powered End Termination Kit with M20 Exe Polyamide Gland	37,50 €
IAL4BE	Remote End Termination Kit	19,10 €
IAL4BS	Powered & Remote End Termination Kit with M20 Exe Polyamide Gland	40,50 €
Cold Applied Ex-Termination Systems for Quintex Self-Limiting Heating Tapes, suitable for direct entry into JB's (incl RTV Silicone Glue), temperature range -60 to +200°C suitable for ILMw heating tapes		
 IAL4BAw	Powered End Termination Kit with M25 Exe Polyamide Gland	37,50 €
IAL4BEw	Remote End Termination Kit	19,10 €
IAL4BSw	Powered & Remote End Termination Kit with M25 Exe Polyamide Gland	40,50 €

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	Type Number	Description	Price
	IAL5SA	Non-Ex Cold Applied Termination Systems for use with Connection Cables suitable for heating tapes ILLw, ILM, ILH and other manufacturers htg. tapes, temperature range -40°C to +130°C Powered End Screw Terminal Block Connection Kit	25,80 €
	IAL5SE	Remote End Screw Terminal Block Connection Kit	20,30 €
	IAL5SS	Powered & Remote End Screw Terminal Block Connection Kit	44,40 €
	IAL5SV	In-line Splice Screw Terminal Block (heating tape-heating tape) Connection Kit	32,80 €
	IAL5ST	T-Branch Screw Terminal Block Connection Kit (Powered or Un-Powered)	59,40 €
	IAL5SC	Powered End Screw Terminal Block Connection Kit with IRM1 Mini-Thermostat, up to 16A @ 250V AC, temperature range -40/+125°C	104,70 €
	IAL5BA	Non-Ex Cold Applied Termination Systems for use with Connection Cables suitable for heating tapes ILMw and other manufacturers htg tapes, temperature range -40°C to +130°C Powered End Screw Terminal Block Connection Kit	38,20 €
	IAL5BE	Remote End Screw Terminal Block Connection Kit	23,20 €
	IAL5BS	Powered & Remote End Screw Terminal Block Connection Kit	62,50 €
	IAL5BV	In-line Splice Screw Terminal Block (heating tape-heating tape) Connection Kit	38,80 €
Cold Applied Ex-Termination Kits for Self-Limiting & Constant Wattage Parallel Circuit Heating Tapes			
	IAL8EX HKSA	Ex e IP65 Low Profile Cold Applied Termination Systems rated up to 20A @ 277V AC, +190°C max. temperature, for use with ILLw, ILH, ILS, IPH & other manufacturers profile heating tapes of dimensions no greater than 5,9 x 12,4mm Powered Termination Kit	120,00 €
	IAL8EX HKSE	Remote End Termination Kit	78,00 €
	IAL8EX HKSS	Powered & Remote End Termination Kit	185,00 €
	IAL8EX HKSV	In-line Splice (heating tape-heating tape) Termination Kit	129,00 €
	IAL8EX HKST	T-Branch Termination Kit (Powered or non-Powered)	297,00 €
	IAL8EX HKSC	Powered End Termination Kit with IRM2 Ex mb thermostat, 16A @ 250V AC / 110°C max.	293,90 €
	IAL8wEX HKWA	Ex e IP65 Low Profile Cold Applied Termination Systems rated up to 20A @ 277V AC, +190°C max. temperature, for use with ILMw & other manufacturers profile heating tapes of dimensions no greater than 7,5 x 15,5mm Ex e Powered Termination Kit	142,90 €
	IAL8wEX HKWE	Ex e Remote End Termination Kit	105,20 €
	IAL8wEX HKWS	Ex e Powered & Remote End Termination Kit	236,90 €
	IAL8wEX HKWV	Ex e In-line Splice (heating tape-heating tape) Termination Kit	156,30 €
	AL3 / H07RN-F	Flexible Connection Cables (insulated Cores Blue/Brown/Green-Yellow)(price /m) Rubber connection cable 3C x 1,5 mm ² (-25/+60°C)	5,20 €
	AL4	Silicone connection cable 3C x 1,5 mm ² (-25/+60°C)	11,60 €
	RADOX125-3G1,5	Radox 125, 3C x 1,5mm ² (-40/+125°C)	17,00 €
	ALF 25	FEP supply cable 3C x 2,5mm ² up to 205°C	18,70 €

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Type Number	Description	Price	
230V AC Constant Wattage Parallel Circuit High Temperature Heating Tapes (277V AC Max.) (Also available as 110V AC upon request)			
with Silicone Rubber Insulated Buswires, Nichrome Resistance Wire Heating Element then Over-Sheathed with Silicon Rubber, Tinned-Copper Earth Braiding & Fluoropolymer Overjacket			
	IPL062CF/QX	6,5 W/m, 230V AC, max. withstand temperature (on/off) 190/200°C	on request
	IPL132CF/QX	13 W/m, 230V AC, max. withstand temperature (on/off) 185/200°C	
	IPL232CF/QX	23 W/m, 230V AC, max. withstand temperature (on/off) 160/200°C	
	IPL332CF/QX	33 W/m, 230V AC, max. withstand temperature (on/off) 115/200°C	
	IPL502CF/QX	50 W/m, 230V AC, max. withstand temperature (on/off) 75/200°C	
with High Temperature Glass Fibre & Mica Insulated Buswires, Secondary HTGF & Mica Insulation, Nichrome Resistance Wire Heating Element then Sheathed with HTGF & Mica Insulation and finally Over-Sheathed with Fluoropolymer Insulation, Nickel-Plated-Copper Earth Braiding & Fluoropolymer Outerjacket			
	IPH102NF/QX	10 W/m, 230V AC, max. withstand temperature (on/off) 275/285°C	69,20 €
	IPH302NF/QX	30 W/m, 230V AC, max. withstand temperature (on/off) 249/285°C	69,20 €
	IPH502NF/QX	50 W/m, 230V AC, max. withstand temperature (on/off) 204/285°C	69,20 €
	IPH702NF/QX	70 W/m, 230V AC, max. withstand temperature (on/off) 147/285°C	69,20 €
	with High Temperature Glass Fibre & Mica Insulated Buswires, Secondary HTGF & Mica Insulation, Nichrome Resistance Wire Heating Element then Sheathed with HTGF & Mica Insulation and finally Over-Sheathed with a continuous Aluminium extruded Outerjacket, intermittent withstand temperature 500°C		
	IPS152A/QX	15 W/m, 230V AC, max. withstand temperature (on/off) 350/350°C	47,00 €
	IPS302A/QX	30 W/m, 230V AC, max. withstand temperature (on/off) 323/350°C	47,00 €
	IPS502A/QX	50 W/m, 230V AC, max. withstand temperature (on/off) 276/350°C	47,00 €
	IPS702A/QX	70 W/m, 230V AC, max. withstand temperature (on/off) 140/350°C	47,00 €
	IPS1002A/QX	100 W/m, 230V AC, max. withstand temperature (on/off) 140/350°C	47,00 €
	IPS1502A/QX	150 W/m, 230V AC, max. withstand temperature (on/off) 36/350°C	47,00 €
Termination Kits for Constant Wattage Parallel Circuit Heating Tapes IPL / IPH			
Cold Applied Termination Systems for Quintex Constant Wattage Parallel Circuit, suitable for direct entry into JB's (incl RTV Silicone Glue), temperature range -40 to +200°C suitable for IPL heating tapes			
	IAPL4BA	Powered End Termination Kit with M20 Exe Polyamide Gland	37,50 €
	IAPL4BE	Remote End Termination Kit	19,10 €
	IAPL4BS	Powered & Remote End Termination Kit with M20 Exe Polyamide Gland	40,50 €
Cold Applied Termination Systems for Quintex Constant Wattage Parallel Circuit, suitable for direct entry into JB's (incl RTV Silicone Glue), temperature range -40 to +200°C suitable for IPH heating tapes			
	IAPH4BA	Powered End Termination Kit with M20 Exe Polyamide Gland	37,50 €
	IAPH4BE	Remote End Termination Kit	19,10 €
	IAPH4BS	Powered & Remote End Termination Kit with M20 Exe Gland	40,50 €
Termination Kits for Aluminium Sheathed Parallel Heating Tape IPS			
Cold Applied Termination Systems for Quintex Constant Wattage Parallel Circuit, suitable for direct entry into JB's (incl RTV Silicone Glue), temperature range -40 to +200°C suitable for IPS heating tapes			
	IAPS4BA	Termination Kit with end seal & earth lead	41,50 €
	IAPS4BE	Remote End Termination Kit	19,10 €
	IAPS4BS	Powered & Remote End Termination Kit with M20 Exe Gland	45,50 €

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Type Number	Description	Price
Flexible Single Core Heating Cables ISK		
Ex-Industrial Flexible Single Core Resistance Heating Cables (7-Joule) constructed from PFA Inner Insulation/Nickel-Plated Copper Braid/PFA Outer Insulation, withstand temperature 260°C suitable for operation up to 750V		
ISK-1R08-7PFF-H	1,08Ω/km	48,90 €
ISK-1R71-7PFF-H	1,71Ω/km	31,00 €
ISK-2R90-7PFF-H	2,9Ω/km	22,60 €
ISK-4R00-7PFF-H	4,00Ω/km	22,10 €
ISK-4R40-7PFF-H	4,40Ω/km	17,70 €
ISK-7R20-7PFF-H	7,20Ω/km	14,90 €
Ex-Industrial Flexible Single Core Resistance Heating Cables (4-Joule) constructed from PFA Inner Insulation/Nickel-Plated Copper Braid/PFA Outer Insulation, withstand temperature 260°C suitable for operation up to 750V		
* ISK-0010-7PFF-L	10Ω/km	11,60 €
ISK-11R7-7PFF-L	11,7Ω/km	9,80 €
ISK-0015-7PFF-L	15Ω/km	9,50 €
ISK-17R8-7PFF-L	17,8Ω/km	9,50 €
ISK-0025-7PFF-L	25Ω/km	9,50 €
ISK-31R5-7PFF-L	31,5Ω/km	9,50 €
* ISK-0050-7PFF-L	50Ω/km	9,50 €
ISK-0065-7PFF-L	65Ω/km	9,50 €
ISK-0080-7PFF-L	80Ω/km	8,90 €
* ISK-0100-7PFF-L	100Ω/km	9,30 €
ISK-0150-7PFF-L	150Ω/km	9,30 €
ISK-0180-7PFF-L	180Ω/km	9,30 €
* ISK-0200-7PFF-L	200Ω/km	9,30 €
ISK-0230-7PFF-L	230Ω/km	9,30 €
ISK-0320-7PFF-L	320Ω/km	9,30 €
ISK-0360-7PFF-L	360Ω/km	9,30 €
ISK-0380-7PFF-L	380Ω/km	9,30 €
ISK-0450-7PFF-L	450Ω/km	9,30 €
* ISK-0480-7PFF-L	480Ω/km	9,30 €
ISK-0600-7PFF-L	600Ω/km	9,30 €
ISK-0650-7PFF-L	650Ω/km	8,80 €
ISK-0700-7PFF-L	700Ω/km	9,50 €
ISK-0810-7PFF-L	810Ω/km	8,80 €
* ISK-1000-7PFF-L	1000Ω/km	8,80 €
ISK-1440-7PFF-L	1440Ω/km	8,90 €
ISK-1750-7PFF-L	1750Ω/km	8,60 €
ISK-2000-7PFF-L	2000Ω/km	9,50 €
* ISK-3000-7PFF-L	3000Ω/km	9,10 €
ISK-4000-7PFF-L	4000Ω/km	9,50 €
* ISK-8000-7PFF-L	8000Ω/km	9,10 €



* on stock available

Delivery time for not available types approx. 4-6 weeks. Minimum order quantity: 500m










Ex-Termination Kits for single core heating cables ISK		
IAKKE1 Ex	1,2m Cold lead 2,5mm ² with M20 Gland (ISK 7,2 Ohm/km)	51,60 €
IAKKE2 Ex	1,2m Cold lead 4,0mm ² with M20 Gland (ISK 4,4 Ohm/km)	60,80 €
IAKKE3 Ex	1,2m Cold lead 6,0mm ² with M22 Gland (ISK 2,9 Ohm/km)	67,50 €
IAKKE4 Ex	1,2m Cold lead 10,0mm ² with M20 Gland (ISK 1,71 Ohm/km)	85,30 €

IAK8EK	Connection Sleeve 20A	110,20 €
IAK1EG1	Connection Sleeve 32A	173,60 €
IAK1EG2	Connection Sleeve 98A	495,60 €

Non-Ex Termination Kits for single core heating cables ISK		
Flexible Single Core Cold Lead Cables & Connections		
IAKKE1	1,2m Cold lead 2,5mm ² with M20 Gland	34,20 €
IAKKE2	1,2m Cold lead 4,0mm ² with M20 Gland	57,90 €
IAKKE3	1,2m Cold lead 6,0mm ² with M20 Gland	65,70 €
IAKAT1	Termination kit for heating cable to cold lead (powered end) or heating-cable to heating-cable (In-line Splice) connection	13,10 €











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Type Number	Description	Price	
Ex-Mineral insulated single core heating cables ISM			
CuNi sheathed Mineral insulated heating cable; max. 500V, up to 400°C			
	ISM0004 CuNi	4 Ohm/km	
	ISM0007 CuNi	7 Ohm/km	
	ISM0011 CuNi	11 Ohm/km	
	ISM0017 CuNi	17 Ohm/km	
	ISM0025 CuNi	25 Ohm/km	
	ISM0040 CuNi	40 Ohm/km	
	ISM0063 CuNi	63 Ohm/km	
	ISM0160 CuNi	160 Ohm/km	
	ISM0250 CuNi	250 Ohm/km	
	ISM0400 CuNi	400 Ohm/km	
	ISM0630 CuNi	630 Ohm/km	
ISM1000 CuNi	1000 Ohm/km		
ISM1600 CuNi	1600 Ohm/km		
Stainless Steel Sheathed Resistance Heating Cables; max. 500V, up to 600°C			
	ISM0160 VA	160 Ohm/km	
	ISM0250 VA	250 Ohm/km	
	ISM0400 VA	400 Ohm/km	
	ISM0630 VA	630 Ohm/km	
	ISM1000 VA	1000 Ohm/km	
	ISM1600 VA	1600 Ohm/km	
	ISM2500 VA	2500 Ohm/km	
	ISM4000 VA	4000 Ohm/km	
	ISM6300 VA	6300 Ohm/km	
	ISM10K0 VA	10000 Ohm/km	
Ex- Cold Leads & Terminations for Mineral Insulated Heating Cables ISM			
Cold Leads & Termination of Cold Leads to Heating Cables			
	KISM2 VA 2,5 Ex	2x cold leads 2,5 mm ² , VA 1,2 m, M20 x 1,5 (Cold Leads & Glands only)	
	KISM 2 CuNi 2,5 Ex	2x cold leads 2,5 mm ² , CuNi 1,2 m, M20 x 1,5 (Cold Leads & Glands only)	
	KISM 2 VA 6 Ex	2x cold leads 6,0 mm ² , VA 1,2 m, M20 x 1,5 (Cold Leads & Glands only)	
	KISM 2 CuNi 6 Ex	2x cold leads 6,0 mm ² , CuNi 1,2 m, M20 x 1,5 (Cold Leads & Glands only)	
	ISM KONF Ex	Factory assembling of above cold leads into one heating circuit	
Junction Boxes & Terminal Boxes (Glass Fibre Re-inforced Polyester (GRP))			
Industrial GRP IP66 rated Enclosures with 2.5mm² Cage-Clamp Terminals & Pre-Drilled, Threaded Cable Entries for various Heating Circuits			
	AG 99	2x 3 or 4-Wire PT100, 110x75x55mm, 1x M20, 2x M12	79,40 €
	AG 99 HK	1x supply & 1x circuit, 110x75x55mm, 2x M20	58,30 €
Industrial GRP IP66 rated Enclosures with 6.0mm² Cage-Clamp Terminals & Pre-Drilled, Threaded Cable Entries for various Heating Circuits			
	AG 101	1x supply & 3x circuits, 122x120x90mm, 1x M25, 3x M20	114,10 €
	AG 101 S	Star/Neutral-point, 122x120x90mm, 1x M25, 3x M20	107,60 €
	AG 101 3P	3-Phase & N supply & 3x circuits, 122x120x90mm, 1x M25, 3x M20	125,10 €
	AG 102	1x supply & 4x circuits, 160x160x90mm, 1x M32, 4x M20	139,10 €
	AG 102 S	Star/Neutral-point, 160x160x90mm, 1x M32, 4x M20	127,10 €
	AG 102 3P	3-Phase & N supply & 4x circuits, 160x160x90mm, 1x M32, 4x M20	163,00 €
	AG 103	1x supply & 6x circuits, 260x160x90mm, 1x M32, 6x M20	175,70 €
	AG 103 S	JB for Star/Neutral-point, 260x160x90mm, 1x M32, 4x M20	186,30 €
	AG 103 D	3-Phase D-supply & 6x circuits, 260x160x90mm, 1x M32, 6x M20	170,20 €
	AG 103 3P	3-Phase & N supply & 6x circuits, 260x160x90mm, 1x M32, 6x M20	187,20 €


possible heating cables for
factory assembled heating Circuits

on request








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	Type Number	Description	Price
	AG 99 Ex AG 99 HK Ex	Ex- Industrial GRP IP66 Enclosures with 2,5mm² Cage-Clamp Terminals & Pre-Drilled, Threaded Cable Entries for various Heating Circuits 2x 3 or 4-Wire PT100, 110x75x55mm, 1x M20, 2x M12 1x circuit & 1x supply, 110x75x55mm, 2x M20	81,60 € 63,20 €
	AG 101 Ex AG 101 S Ex AG 101 3P Ex	Ex- Industrial GRP IP66 Enclosures with 6,0mm² Cage-Clamp Terminals & Pre-Drilled, Threaded Cable Entries for various Heating Circuits 1x supply & 3x circuits, 122x120x90mm, 1x M25, 3x M20 Star/Neutral-point, 122x120x90mm, 1x M25, 3x M20 3-Phase & N supply & 3x circuits, 122x120x90mm, 1x M25, 3x M20	132,50 € 132,10 € 135,80 €
	AG 102 Ex AG 102 S Ex AG 102 3P Ex	1x supply & 4x circuits, 160x160x90mm, 1x M32, 4x M20 Star/Neutral-point, 160x160x90mm, 1x M32, 4x M20 3-Phase & N supply & 4x circuits, 160x160x90mm, 1x M32, 4x M20	165,60 € 144,00 € 180,30 €
	AG 103 Ex AG 103 S Ex AG 103 D Ex AG 103 3P Ex	1x supply & 6x circuits, 260x160x90mm, 1x M32, 6x M20 Ex e JB for Star/Neutral-point, 260x160x90mm, 1x M32, 4x M20 3-Phase D-supply & 6x circuits, 260x160x90mm, 1x M32, 6x M20 3-Phase & N supply & 6x circuits, 260x160x90mm, 1x M32, 6x M20	202,40 € 201,50 € 196,90 € 214,00 €
	AG 101 EOL 1G Ex AG 101 EOL 1R Ex	Ex- End-of-Line (EOL) Indicators with 2,5mm² clamps in a rugged GRP enclosure 122x120x90mm Green LED Indicator, 1x M20 Red LED Indicator, 1x M20	217,80 € 217,80 €
	AG 101 EOL 2G Ex AG 101 EOL 2R Ex	Ex- End-of-Line (EOL) Indicators pre-wired to DIN rail mounted 2,5mm² clamps in a rugged GRP enclosure 122x120x90mm Green LED Indicator, 2x M20 Red LED Indicator, 2x M20	222,60 € 222,60 €
	AG 101 EOL DG Ex AG 101 EOL DR Ex	Ex- End-of-Line (EOL) Indicators with 2,5mm² clamps a rugged GRP enclosure 122x120x90mm, complete with IAL1D1 mounting foot for self-assembly (excludes heating tape termination kits, to be ordered separately) Green LED Indicator Red LED Indicator	258,80 € 258,80 €
Mechanical Temperature Controllers & Limiters in GRP Enclosures			
	IRM040b IRM0200b IRM50320b	25A 250V AC, Industrial Non-Ex- Thermostat Controller, 1.6m Capillary & Bulb, 2,5mm² clamps in a GRP enclosure 122x120x90mm, IP66 rated, 1x M25 & 2x M20 threaded cable entries with cable glands 0 to +40°C 0 to +200°C +50 to +320°C	163,90 € 163,90 € 163,90 €
	IR2M-0205Ex IR2M0012Ex IR2M0019Ex IR2M0630Ex IR2M1450Ex	25 A 230V AC, Ex- Failsafe Thermostat Controller, 1.0m Capillary & Bulb, 4,0mm² clamps in a GRP enclosure 122x120x90mm, 1x M25 & 1x M20 threaded cable entries with cable glands -20 to +50°C 0 to +120°C 0 to +190°C +60 to +300°C +140 to +500°C	487,00 € 487,00 € 487,00 € 487,00 € 487,00 €
	IB2M0719Ex IB2M1319Ex IB2M0630Ex IB2M1450Ex	25 A 230V AC, Ex- Failsafe Thermostat Limiter with internal manual reset button, 1.0m Capillary & Bulb, 4,0mm² clamps in a GRP enclosure 122x120x90mm, 1x M25 & 1x M20 threaded cable entries with cable glands +70 to +190°C +130 to +190°C +60 to +300°C +140 to +500°C	487,40 € 487,40 € 487,40 € 487,40 €







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Type Number	Description	Price	
	25A 230V AC, Ex- Failsafe Controller/Limiter Combination, both with 1.0m Capillary & Bulb, 4,0mm² clamps in a GRP enclosure 220x120x90mm, 1x M25 & 2x M20 threaded cable entries with cable glands Controller 0 to +120°C, Limiter +70 to +190°C Controller 0 to +120°C, Limiter +130 to +190°C Controller 0 to +190°C, Limiter +70 to +190°C Controller 0 to +190°C, Limiter +60 to +300°C Controller 0 to +190°C, Limiter +130 to +190°C Controller +60 to +300°C, Limiter +60 to +300°C <i>Alternatives available upon special request, POA (Price on Application).</i>	906,60 € 906,60 € 906,60 € 906,60 € 906,60 € 906,60 €	
	25A 230V AC, Ex-Failsafe Thermostat Controller, 1.0m Capillary & Bulb, 10,0mm² clamps in a GRP enclosure 160x160x90mm, 1x M32 & 1x M20 threaded cable entries with cable glands -20 to +50°C 0 to +120°C 0 to +190°C +60 to +300°C +140 to +500°C	523,90 € 523,90 € 523,90 € 523,90 € 523,90 €	
	25A 230V AC, Ex- Failsafe Thermostat Limiter with internal manual reset button, 1.0m Capillary & Bulb, 10,0mm² clamps in a GRP enclosure 160x160x90mm, 1x M32 & 1x M20 threaded cable entries with cable glands +70 to +190°C +130 to +190°C +60 to +300°C +140 to +500°C	524,30 € 524,30 € 524,30 € 524,30 €	
	25A 230V AC, Ex- Failsafe Controller/Limiter Combination, both with 1.0m Capillary & Bulb, 10,0mm² clamps in a GRP enclosure 260x160x90mm, 1x M32 & 2x M20 threaded cable entries with cable glands Controller 0 to +120°C, Limiter +70 to +190°C Controller 0 to +120°C, Limiter +130 to +190°C Controller 0 to +190°C, Limiter +70 to +190°C Controller 0 to +190°C, Limiter +60 to +300°C Controller 0 to +190°C, Limiter +130 to +190°C Controller +60 to +300°C, Limiter +60 to +300°C <i>Alternatives available upon special request, POA (Price on Application).</i>	951,10 € 951,10 € 951,10 € 951,10 € 951,10 € 951,10 €	
	Mechanical Temperature Controllers & Limiters in Stainless Steel 316L (VA 1.4404) Enclosures		
	25 A 230V AC, Ex- Failsafe Controller, 1.0m Capillary & Bulb, 4,0mm² clamps, Stain-less Steel enclosure size 200L x 200W x 120D mm, 1x M25 cable entry with nickel-plated brass cable gland & 1x M20 cable entry with nickel-plated LB blind plug -20 to +50°C 0 to +120°C 0 to +190°C +60 to +300°C +140 to +500°C	on request	
25 A 230V AC, Ex- Failsafe Limiter with internal manual re-set button, 1.0m Capillary & Bulb, 4,0mm² clamps, Stainless Steel enclosure size 200L x 200W x 120D mm, 1x M25 cable entry with nickel-plated brass cable gland & 1x M20 cable entry with nickel-plated LB blind plug +70 to +190°C +130 to +190°C +60 to +300°C +140 to +500°C	on request		

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Type Number	Description	Price
	25A 230V AC, Ex- Failsafe Controller/Limiter Combination, both with 1.0m Capillary & Bulb, 4,0mm² clamps in a Stainless Steel enclosure size 300L x 200W x 120D mm, 1x M25 cable entry with nickel-plated brass cable gland & 2x M20 cable entries with nickel-plated LB blind plugs Controller 0 to +120°C, Limiter +70 to +190°C Controller 0 to +120°C, Limiter +130 to +190°C Controller 0 to +190°C, Limiter +70 to +190°C Controller 0 to +190°C, Limiter +60 to +300°C Controller 0 to +190°C, Limiter +130 to +190°C Controller +60 to +300°C, Limiter +60 to +300°C <i>Alternatives available upon special request, POA (Price on Application).</i>	on request
Exd Mechanical Temperature Controllers & Limiters in Aluminium die-cast Enclosure		
	25A 250V AC Controller, 1.6m Capillary & Bulb, 2,5mm² clamps in Flameproof Aluminium die-cast enclosure 145mm wide x 126mm deep x 127mm high overall. Circular body 110mm diameter with screwed lid, epoxy coated to shade RAL-9010 (Cream), Fixing Centres 2 x M6 x 126mm, 2x M20 threaded entries c/w Brass Nickel Plated LB blind plugs 0 to +40°C 0 to +200°C +50 to +320°C	347,00 € 347,00 € 347,00 €
	Min. Ambient Temperature: -40°C up to 55°C, Operation voltage: 100V..240V, Switching Capacity: 20A/240V AC NO, Hysteresis: 0.1... 5.0K, Temperature Class: T5, Protection Class: IP65, Communication: Bluetooth®, Wi-Fi Electronic IoT- Controller for Sensor: Ex e Pt100 <i>Suitable sensor: IR2PT100Ex3CF 2M0 (not included)</i>	712,30 €
	Switching capacity: 16A, operating voltage: 230V AC, ambient temperature: -20°C to +55°C, Flameproof Aluminium die-cast enclosure, operation via magnet switch, protective housing: IP65, suitable for Exe PT100 NEW Electronic 2-point controller Spare magnet <i>Suitable sensor: IR2PT100Ex3CF 2M0 (not included)</i>	642,60 € 9,00 €
Mechanical Ambient Sensing Temperature Controllers		
	16A 250V AC Ambient Sensing Mini-Thermostats, Black M20 Gland IP66/68, Temperature Range 4°C/11°C (on/off) : with 400mm flying leads with 1600mm flying leads IRM1 in Polycarbonate Enclosure 80x80x52mm with 2.5mm ² clamps, 2x M20 IRM1 in GRP Enclosure 110x75x55mm with 2.5mm ² terminals, 2x M20 <i>Alternatives available upon special request, POA (Price on Application).</i>	34,00 € 45,30 € 60,00 € 92,70 €
	16A, 250V/AC, Ambient Sensing Mini-Thermostats, IP68. M20 polyamid cable gland, normally closed (n/c) contacts open on temperature rise (for heating applications) 4°C/11°C (on/off) with Radox125-3G1,5, cable lengthh 200mm with Radox125-3G1,5, cable lengthh 400mm with Radox125-3G1,5, cable lengthh 1000mm with Radox125-3G1,5, cable lengthh 3000mm IRM1Ex in GRP enclosure 110x75x55mm with 2.5mm ² terminals, 2x M20 IRM1Ex in GRP enclosure 122x120x90mm with 2.5mm ² terminals, 1x M25 & 2x M20 <i>Alternatives available upon special request, POA (Price on Application).</i>	55,10 € 56,20 € 66,80 € 81,90 € 99,60 € 137,80 €
	16A, 250V/AC, Ambient Sensing Mini-Thermostats, IP68. M20 Nickel Plated Brass Gland, normally closed (n/c) contacts open on temperature rise (for heating applications) 4°C/11°C (on/off) with Radox125-3G1,5, cable lengthh 200mm with Radox125-3G1,5, cable lengthh 400mm with Radox125-3G1,5, cable lengthh 1000mm with Radox125-3G1,5, cable lengthh 3000mm IRM1Ex in GRP enclosure 110x75x55mm with 2.5mm ² terminals, 2x M20 IRM1Ex in GRP enclosure 122x120x90mm with 2.5mm ² terminals, 1x M25 & 2x M20 <i>Alternatives available upon special request, POA (Price on Application).</i>	77,40 € 79,10 € 86,90 € 100,60 € 124,50 € 172,30 €



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Type Number	Description	Price
Electronic controllers + limiters		
<p>Electronic Non-Ex Controller, 100-240V variable input, for use with various types of temperature sensors, temperature measuring range -200°C to +800°C, 16A volt-free change-over contacts and 8A normally open alarm contact, 2-Line LED Display (Set- and Process-Value)</p>		
	IRE168DS 70mmL x 85mmW x 61mmH Electronic for Din Rail	265,00 €
	IRE168 AG IRE168DS in 260 x 160 x 90mm GPR enclosure with viewing window	401,90 €
	IRE168 FI/LS AG IRE168 AG with ELCB and Circuit breaker in enclosure with viewing window	532,50 €
<p>Electronic Ex i Controller, 100-240V variable input, for use with Non-Ex temperature sensors, temperature measuring range -200°C to +800°C, 16A volt-free change-over contacts and 8A normally open alarm contact, 2-Line LED Display (Set- and Process-Value)</p>		
	IRE168DS EXI 70mmL x 85mmB x 61mmH für TS35 Tragschienen Montage	309,00 €
Resistive Temperature Devices (RTD's) type PT100 Sensors		
<p>Non-Ex Industrial Grade Flexible 3-wire PT100 Sensor, temperature range up to +200°C</p>		
	IRPT100 Sensor Diameter 6mm x length 50mm, Silicone cable 2,5m long, cable gland supplied separately	45,50 €
<p>Ex e Semi-Rigid (Mineral Insulated) 4-wire PT 100 Sensor Stainless Steel 316L (VA 1.4404) construction outer sheath, Temp. range -40°C up to +550°C</p>		
	IRPT100Ex3 Diameter 3mm x length 1000mm, cable gland supplied separately	160,00 €
<p>Ex e Flexible 3-wire PT 100 with Stainless Steel Sensor of Diameter 6 mm x length 50mm, cable 4,0mm diameter, PFA outer sheath, Temperature range - 50°C to +220°C</p>		
	IR2PT100Ex3CF 2M0 2,0m long, cable gland supplied separately	155,60 €
	IR2PT100Ex3CF 5M0 5,0m long, cable gland supplied separately	176,00 €
	IR2PT100Ex3CF 10M0 10,0m long, cable gland supplied separately	229,60 €
<p>Ex e Flexible 3-wire PT 100 with Stainless Steel Sensor of Diameter 6mm x length 50mm, cable 3mm diameter, PFA outer sheath, temperature sensing range - 50°C to +220°C, assembled with Ex d M20 x 1,5 threaded Brass Nickel Plated Line Bushing with 200mm connection leads. Suitable for use with Ex d enclosures</p>		
	LBUM20101/PT100M2 1,8m long with Ex d M20 x 1,5	on request
	LBUM20101/PT100M5 4,8m long with Ex d M20 x 1,5	
	LBUM20101/PT100M10 9,8m long with Ex d M20 x 1,5	

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Type Number	Description	Price
Installation Accessories		
 ID 1 S/B	Insulation entry kit complete with 60 x 60mm StSt plate, Polyester M20x1,5 cable gland & locknut, seals to suit ILLw, ILL...S, ILM, ILH, & ILS heating tapes or round cables 4-8mm & 7-13mm diameter	11,70 €
Self-Adhesive Fixing Tapes		
 ALK150	Aluminium adhesive tape, 50 mm width, 55 m length, up to 150 °C	24,50 €
ALK1 150	Aluminium adhesive tape, 50 mm width, 100 m length, up to 150 °C	39,60 €
ALK1 150m	Aluminium adhesive tape, 75 mm width, 100 m length, up to 150 °C	59,30 €
ALK1 150b	Aluminium adhesive tape, 100 mm width, 100 m length, up to 150 °C	79,10 €
 GSK180	Glass fibre adhesive tape, 12 mm width, 50 m length, up to 260 °C	26,80 €
GSK180B	Glass fibre adhesive tape, 19 mm width, 50 m length, up to 260 °C	42,30 €
 PEK100	Polyester adhesive tape, 19 mm width, 50 m length, up to 100 °C	6,30 €
 GEK130	Fibre adhesive tape, 12 mm width, 50 m length, up to 130 °C	11,20 €
"Electrically Heated" Self-adhesive Over-insulation Caution Labels, 175mm x 80mm		
 KZD	German "Elektrisch Beheizt"	1,40 €
KZE	English "Electrically Heated"	1,40 €
KZFR	French "Tracage Electrique"	1,40 €
KZF	Spanish "Calentado Elèctricamente"	1,40 €
KZS	Finnish "Varokaa sähkölämmitys"	1,40 €
KZP	Russian "Электрический обогрев"	1,40 €
KZR	Polish "Ogrzewanie elektryczne"	1,40 €
Stainless Steel Mounting Plates & Brackets		
 MW-P2	for JB's 110x75mm	81,30 €
MW 1	for JB's 122x120; 160x160, 110x75mm	81,30 €
 MW 1S	for JB's 122x120; 160x160, 110x75mm (includes metal fixing straps for securing to pipes)	100,10 €
MW 2	for JB's 220 x 120mm	75,50 €
 MW 2S	for JB's 220 x 120mm (includes metal fixing straps for securing to pipes)	94,90 €
MW 3	for IRM1 or IRM2 mini-thermostat, 70mmL x 30mmW, 35mm "L-shaped"	32,90 €
 MW 4	for JB's 110x75, 122x120mm	48,90 €
MW 4S	for JB's 110x75; 122x120; (includes metal fixing straps for securing to pipes)	75,00 €
 MW 5	for JB's 160x160mm	62,20 €
MW 5S	for JB's 160x160mm (includes metal fixing straps for securing to pipes)	88,30 €
301 Stainless Steel (DIN 1.4310) plain fixing/securing banding straps		
 SB1	30m x 9,5mm x 0,64mm (approx 100' x 3/8" x 0,025")	71,20 €
SB2	30m x 19mm x 0,75mm (approx 100' x 3/4" x 0,03")	135,30 €
 SB3	1m x 14mm x 0,64mm (approx 39" x 1/2" x 0,025")	6,00 €
SB4	1m x 16mm x 0,85mm (approx 39" x 5/8" x 0,033") Polyester banding strap	1,20 €
301 Stainless Steel (DIN 1.4310) Fixing/Securing Clips/Buckles		
 SC1	for 9,5 x 0,64mm SB1 (100 pcs.)	42,00 €
SC1-STK.	for 9,5 x 0,64mm SB1 (1 pcs.)	0,60 €
 SC2	for 19 x 0,75mm SB2 (100 pcs.)	88,00 €
SC2-STK.	for 19 x 0,75mm SB2 (1 pcs.)	0,90 €
 SC3	Housed Securing Screw for SB3 above (1 pcs.)	5,10 €
SC4	Galvanised Steel Securing Buckle for SB4 Polyester banding strap (1 pcs.)	0,50 €
Stainless Steel Coil Pre-Punched and Pre-Fixed Spacer Straps		
 ABM	22,8m long x 12,5mm wide, 25mm pitch for ISM heating cables	on request
ABK	50m long 25mm pitch for ISK heating cables up to 5,5mm overall outer diameter	on request
Self-locking UV-resistant Polyester Cable Ties, Black, (100 pcs.)		
 PKB1	100mm long x 2,5mm	4,70 €
PKB2	200mm long x 4,5mm	8,40 €
PKB3	280mm long x 4,5mm	8,50 €
PKB4	360mm long x 4,5mm	17,10 €
PKB5	450mm long x 7,5mm	35,60 €
PKB6	540mm long x 7,5mm	41,40 €

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Type Number	Description	Price
Self-Limiting Ex- Heating Plates 230V/AC (277V/AC max.) (Also available as 110V/AC upon request)		
Aluminium ribbed profile with 2m long 3x1,5mm² supply cable		
 IH2 65 2 200	65W at 5°C, T4, 280L x 200W x 40H mm (approx. 4,3kg)	346,70 €
IH2 130 2 200	130W at 5°C, T4, 280L x 200W x 40H mm (approx. 4,3kg)	481,80 €
IH2 500 2 200	500W at 5°C, T4, 630L x 300W x 40H mm (approx. 15,0kg)	1.433,40 €
IH2 550 2 200	550W at 5°C, T3, 630L x 300W x 40H mm (approx. 15,0kg)	1.690,60 €
IH2 1000 2 200	1000W at 5°C, T4, 1030L x 420W x 40H mm (approx. 31,0kg)	on request
230V & 24V Ex- Compact Heaters		
Housed in an Aluminium ribbed-profile body, 50mmL x 16.3mmW x 15.5mmH, complete with 0.5m x 1.5mm² Radox125 connection cables at each end, temperature range -60°C up to +200°C		
 CH-230-006-05/050	230V, 6W	56,00 €
CH-230-012-05/050	230V, 12W	56,00 €
CH-024-006-05/050	24V, 6W	56,00 €
CH-024-012-05/050	24V, 12W	56,00 €