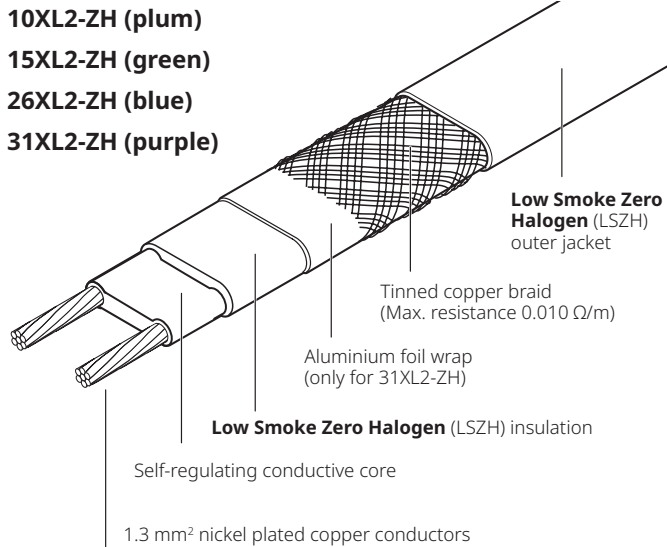


## Low smoke zero halogen self-regulating heating cable

### HEATING CABLE CONSTRUCTION



Raychem XL-Trace provides frost protection for pipes in areas exposed to sub-zero temperatures and ensures flow maintenance in grease waste line applications.

The self-regulating heating cable range, combined with pipe insulation, prevent water pipes, fire mains, sprinklers from freezing and grease waste lines from clogging up. Developed specifically for use within commercial and residential buildings, XL-Trace's Low Smoke Zero Halogen materials ensure it is the safest solution for modern building design. For quick and easy installation, all XL-Trace cables are designed for use with the RayClic fast connection device.

The cables are warranted under the Raychem Extended Warranty Program providing 10 years warranty for registered installations. Additional warranties apply when installed by a Raychem Certified Pro.

### KEY BENEFITS

#### Unparalleled building safety

- Up to 90% less smoke emissions: IEC61034-2 tested and compliant
- Zero halogen: IEC60754-1 tested and compliant
- Improved self-extinguishing properties under the IEC62395 flammability test

#### Superior quality and long life expectancy

- Radiation-cross linked for extended life expectancy in excess of 25 years
- UV resistant: IEC60068-2-5 and IEC60068-2-9 tested and compliant
- Colourfast under UV exposure
- Resistant to mild inorganic substances

#### Energy efficient

- Self-regulating technology: The heat output automatically adjusts depending on the local temperature at every point along its length
- Major energy savings when used with the Raychem "PASC" ambient sensing controller when compared with typical ambient control devices

#### Ease of use

- Quick and easy installation with the RayClic fast connection system
- Self-regulating technology: cut-to-length on site to mitigate any design variations
- Long circuits lengths up to 238m, for fewer power connections and faster installation
- Highly flexible cable with bend radius of 10mm

## SPECIFICATIONS

	10XL2-ZH	15XL2-ZH	26XL2-ZH	31XL2-ZH
Application	Pipe freeze protection	Pipe freeze protection	Pipe freeze protection	Flow maintenance for grease line applications
Part numbers	P000002113	P000002114	P000002115	P000002116
Minimum/nominal power output (W/m at 5°C)	10	15	26	31
Maximum exposure temperature (power on/off)	65°C	65°C	65°C	85°C
Maximum intermittent exposure temperature (power on/off)	85°C Max. cumulative exposure 800 hours	85°C Max. cumulative exposure 800 hours	85°C Max. cumulative exposure 800 hours	90°C Max. cumulative exposure 800 hours
Minimum installation temperature	-40°C	-40°C	-40°C	-40°C
Bend radius	10 mm	10 mm	10 mm	10 mm
Supply voltage	230 Vac	230 Vac	230 Vac	230 Vac
Chemical resistance	Mild inorganic solutions	Mild inorganic solutions	Mild inorganic solutions	Mild inorganic solutions

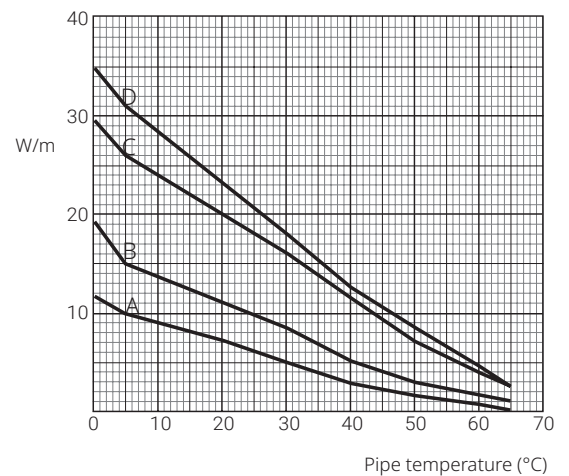
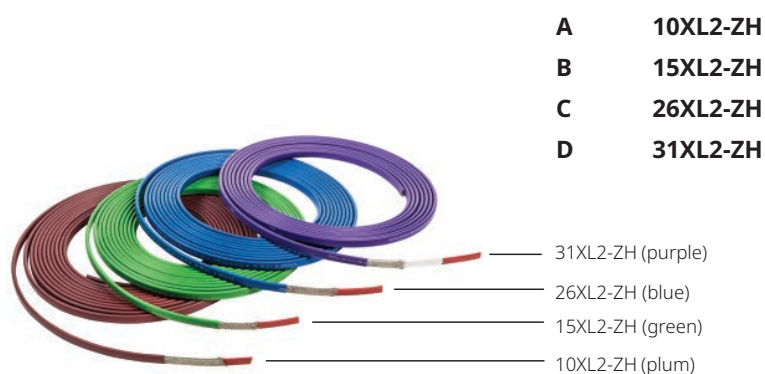
## PRODUCT DIMENSIONS (NOMINAL) AND WEIGHT

Cable thickness (mm)	6.8	6.8	6.8	6.8
Cable width (mm)	13.8	13.8	13.8	13.8
Cable weight (kg/m)	0.135	0.135	0.135	0.135

## APPROVALS

IEC62395: 2013	CE, VDE, EAC, CSTB
IEC60754-1	Zero Halogen Insulation Material
IEC61034-2	Low Smoke Emissions
IEC60068-2-5 and IEC60068-2-9	UV-Resistance

## THERMAL OUTPUT RATING



## XL-TRACE MAXIMUM CIRCUIT LENGTHS (m)

10XL2-ZH (230 V)	Circuit Breaker (C-Type characteristic CB-Size)					
Switch-On Temperature (°C)	4	6	10	13	16	20
-20	24	36	60	79	97	121
-10	32	47	79	103	126	158
-5	36	55	91	118	146	182
0	43	64	107	140	172	215
5	51	77	128	166	204	238

15XL2-ZH (230 V)	Circuit Breaker (C-Type characteristic CB-Size)					
Switch-On Temperature (°C)	4	6	10	13	16	20
-20	24	36	61	79	97	121
-10	28	43	71	92	114	142
-5	31	47	78	101	125	156
0	35	52	86	112	138	173
5	38	58	96	125	153	188

26XL2-ZH (230 V)	Circuit Breaker (C-Type characteristic CB-Size)					
Switch-On Temperature (°C)	4	6	10	13	16	20
-20	19	28	47	62	76	95
-10	22	33	55	71	88	110
-5	24	36	60	78	96	120
0	26	40	66	86	105	132
5	29	44	73	94	116	142

31XL2-ZH (230 V)	Circuit Breaker (C-Type characteristic CB-Size)					
Switch-On Temperature (°C)	4	6	10	13	16	20
-20	18	27	45	59	73	91
-10	20	30	49	64	79	99
-5	21	31	52	67	83	104
0	22	33	55	71	87	109
5	23	34	57	74	91	114

The maximum heating circuit lengths will be reduced by using XL-TRACE on metal pipes with ATE-180 tape. Please contact Chemelex team.

## SINGLE CIRCUIT CONTROLS

1244-022440	RAYSTAT V5	Electronic PASC ambient and line sensing temperature controller with alarm relay
1244-021970	ELEXANT 450c	Electronic PASC ambient and line sensing temperature controller with alarm relay, Duo-Zone operating
1244-006265	RAYSTAT-CONTROL-11-DIN	Electronic line sensing temperature controller with alarm relay, DIN-Rail mountable
728129-000	AT-TS-13	Electronic thermostat for line sensing or ambient sensing (-5°C ... +15°C)
648945-000	AT-TS-14	Electronic line sensing thermostat (0°C ... +120°C)

## FAST CONNECTION COMPONENTS

235422-000	RayClic-CE-02	Power connection with integral 1.5m power cable
441524-000	RayClic-T-02	T-connection for 3 cables
364855-000	RayClic-S-02	Splice for joining 2 lengths of heating cable
636284-000	RayClic-PT-02	Power T-connection for 3 connections with integral 1.5m power cable
716976-000	RayClic-PS-02	Powered splice connection for 2 cables with integral 1.5m power cable
001013-000	RayClic-X-02	Connection for 4 cables
224727-000	RayClic-E-02	Gel-filled end seal

## SINGLE APPLICATION CONTROL PANELS

---

1244-022467	SBS-FP-3X16A	Multi-circuit pipe freeze protection control panel for 3 heating circuits (16A per circuit); Two control options, ambient sensing with proportional ambient sensing control (PASC) or line sensing control (metal enclosure)
1244-022468	SBS-FP-6X16A	Multi-circuit pipe freeze protection control panel for 6 heating circuits (16A per circuit); Two control options, ambient sensing with proportional ambient sensing control (PASC) or line sensing control (metal enclosure)
1244-022469	SBS-FP-9X16A	Multi-circuit pipe freeze protection control panel for 9 heating circuits (16A per circuit); Two control options, ambient sensing with proportional ambient sensing control (PASC) or line sensing control (metal enclosure)
1244-022470	SBS-FP-12X16A	Multi-circuit pipe freeze protection control panel for 12 heating circuits (16A per circuit); Two control options, ambient sensing with proportional ambient sensing control (PASC) or line sensing control (metal enclosure)

## SINGLE APPLICATION CONTROL PANELS FOR FIRE SPRINKLER SYSTEMS

---

185780-000	SBS-02-SNR	Electrical control panel for sprinklers including redundant heating circuit (1 pipe)
278362-000	SBS-04-SNR	Electrical control panel for sprinklers including redundant heating circuit (2 pipes)
300074-000	SBS-06-SNR	Electrical control panel for sprinklers including redundant heating circuit (3 pipes)
158834-000	SBS-08-SNR	Electrical control panel for sprinklers including redundant heating circuit (4 pipes)
012276-000	SBS-10-SNR	Electrical control panel for sprinklers including redundant heating circuit (5 pipes)
712998-000	SBS-12-SNR	Electrical control panel for sprinklers including redundant heating circuit (6 pipes)

## MULTI-APPLICATION CONTROL & MONITORING

---

1244-012864	ACS-30-EU-UIT2	User Interface Terminal (UIT) for the ACS-30 Control & Monitoring System
1244-012868	ACS-30-EU-PCM2-5-20A	Power & control module (PCM), 5 x 20A circuits, for the ACS-30 control & monitoring system
1244-012869	ACS-30-EU-PCM2-10-20A	Power & control module (PCM), 10 x 20A circuits, for the ACS-30 control & monitoring system
1244-012870	ACS-30-EU-PCM2-15-20A	Power & control module (PCM), 15 x 20A circuits, for the ACS-30 control & monitoring system
1244-012871	ACS-30-EU-PCM2-5-32A	Power & control module (PCM), 5 x 32A circuits, for the ACS-30 control & monitoring system
1244-012872	ACS-30-EU-PCM2-10-32A	Power & control module (PCM), 10 x 32A circuits, for the ACS-30 control & monitoring system
1244-012873	ACS-30-EU-PCM2-15-32A	Power & control module (PCM), 15 x 32A circuits, for the ACS-30 control & monitoring system

### Europe, Middle East, Africa, India

Tel +32 16 213 511  
Fax +32 16 213 604  
info@chemelex.com

**chemelex**  
excellence is everything

**Raychem Tracer Pyrotenax Nuheat**