

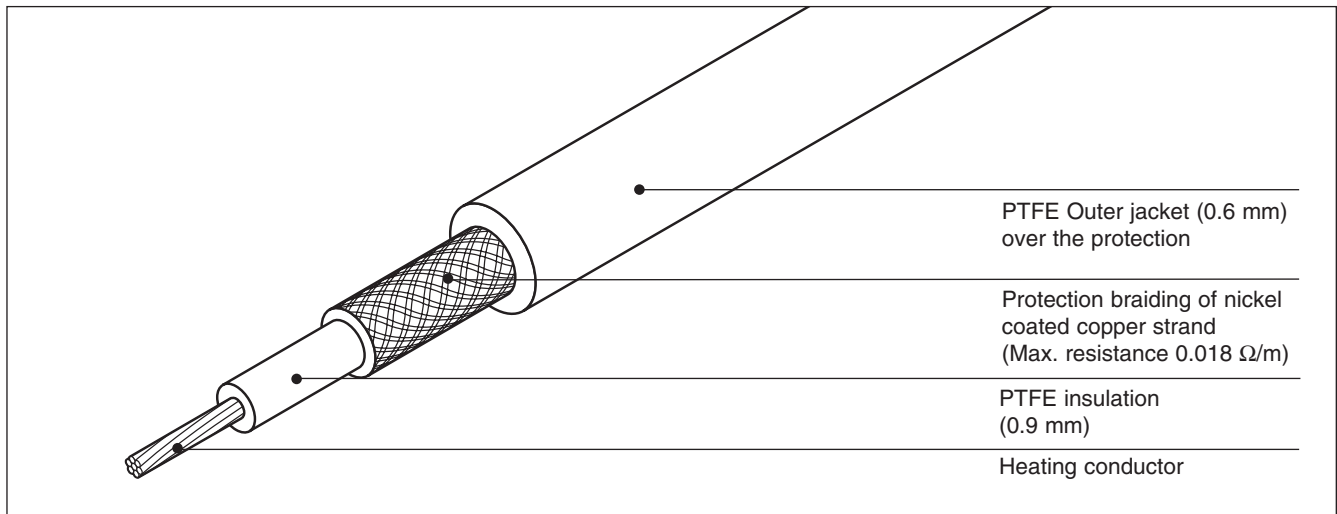
## Constant wattage series heating cable (for hazardous and non hazardous area use)

FCW-T is an Ex certified, ATEX compliant series-resistance, medium-powered, constant-wattage heating cable. It incorporates a PTFE outer sheath that makes it ideal for chemically aggressive applications.

Extremely flexible the FCW-T cable is the perfect cable for tracing pipes, tanks, valves and vessels where close contact around intricate shapes is required. FCW-T can provide process temperature maintenance up to 180°C

and can withstand routine steam purges and temperature exposure to 260°C (power off). The FCW-T cable is an excellent solution when the circuit length required exceeds that permitted by parallel circuit heating cables.

### Heating cable construction



### Application

Area classification	Hazardous, Zone 1 or Zone 2 Ordinary
Chemical resistance	Organics and corrosives For aggressive organics and corrosives consult your local Tyco Thermal Controls Representative

<b>Operating voltage</b>	300/500 Vac
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<b>Approvals</b>	The FCW-T heating cable is approved by BASEEFA for use in Zones 1 and 2. II 2 G EEx e II T6 to T3 BAS01ATEX 2143 X       II 2 G EEx e II (bulk cable) BAS02ATEX 2204 U
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### Specifications

Max. withstand temperature (power off)	260°C
Max. working temperature (continuous power on)	180°C
Temperature classification	To be established using the principles of stabilized design or limiters, or contact Tyco Thermal Controls for assistance.
Min. installation temperature	-60°C
Min. bend radius	2,5 x cable diameter at -25°C 6 x cable diameter at -60°C
Min. laid spacing	20 mm

<b>Power output</b>	max. 30 W/m
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<b>Dimensions</b>	see standard resistances table
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**Standard Resistances Table**

Order Reference	Nominal resistance [at 20°C] (Ω/km)	Heating cable diameter (mm)	Temp. coefficient $\times 10^{-3}$ (1/K)	Order Number
FCW-T 1.8	1.8	7.50	3.9	656866-000
FCW-T 2.9	2.9	6.70	3.9	043490-000
FCW-T 4.4	4.4	6.10	3.9	734722-000
FCW-T 7	7.0	5.60	3.9	645498-000
FCW-T 10	10.0	5.20	3.9	758128-000
FCW-T 11.6	11.6	5.10	3.9	1244-000133
FCW-T 15	15.0	4.90	3.9	990324-000
FCW-T 17.8	17.8	4.80	3.9	580582-000
FCW-T 25	25.0	4.60	3.9	131186-000
FCW-T 31.5	31.5	4.50	3.9	215096-000
FCW-T 50	50.0	4.30	3.9	411302-000
FCW-T 68	68.0	4.20	3.9	729506-000
FCW-T 78	78.0	4.10	3.9	1244-000135
FCW-T 100	100.0	4.80	0.7	539830-000
FCW-T 150	150.0	4.60	0.7	1244-000136
FCW-T 200	200.0	4.40	0.7	117162-000
FCW-T 330	330.0	4.80	0.2	1244-000138
FCW-T 370	370.0	4.70	0.2	756210-000
FCW-T 500	500.0	4.50	0.2	978154-000
FCW-T 730	730.0	4.10	0.45	425168-000
FCW-T 1000	1000.0	4.40	± 0.02	988630-000
FCW-T 2160	2160.0	4.10	± 0.02	1244-000144
FCW-T 3000	3000.0	4.70	0.45	336322-000
FCW-T 4000	4000.0	4.70	0.45	579684-000
FCW-T 8000	8000.0	4.70	0.45	493126-000

Resistance Tolerance : (+10%/−5%) as per IEC 800.

Other resistance values upon request.

Resistance ≤ 80 Ω/km please note cold / warm resistance.

Tyco Thermal Controls requires the use of a 30 mA residual current device to provide maximum safety and protection from fire. Where there is a marked increase in nuisance tripping, a maximum 300 mA residual current device may be used.

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