

Constant wattage parallel circuit heating cable (for ordinary area use)

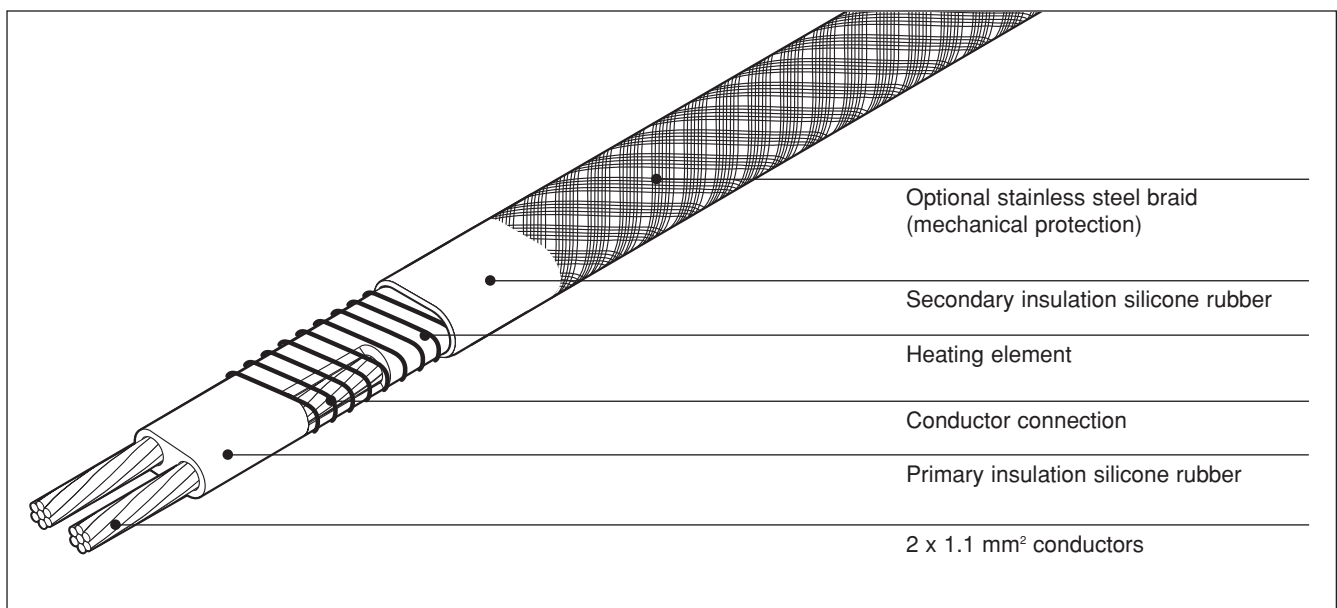
FG220 is a parallel circuit, medium powered constant output tracer that can be cut to any length. FG220 incorporates a high temperature silicone rubber outer insulation that provides an extremely flexible and versatile heating cable that is suitable for a variety of applications.

It is designed for high temperature process maintenance applications in non chemically aggressive environments.

It has twin conductors with extruded high quality, high temperature silicone rubber primary insulation. The heating element is

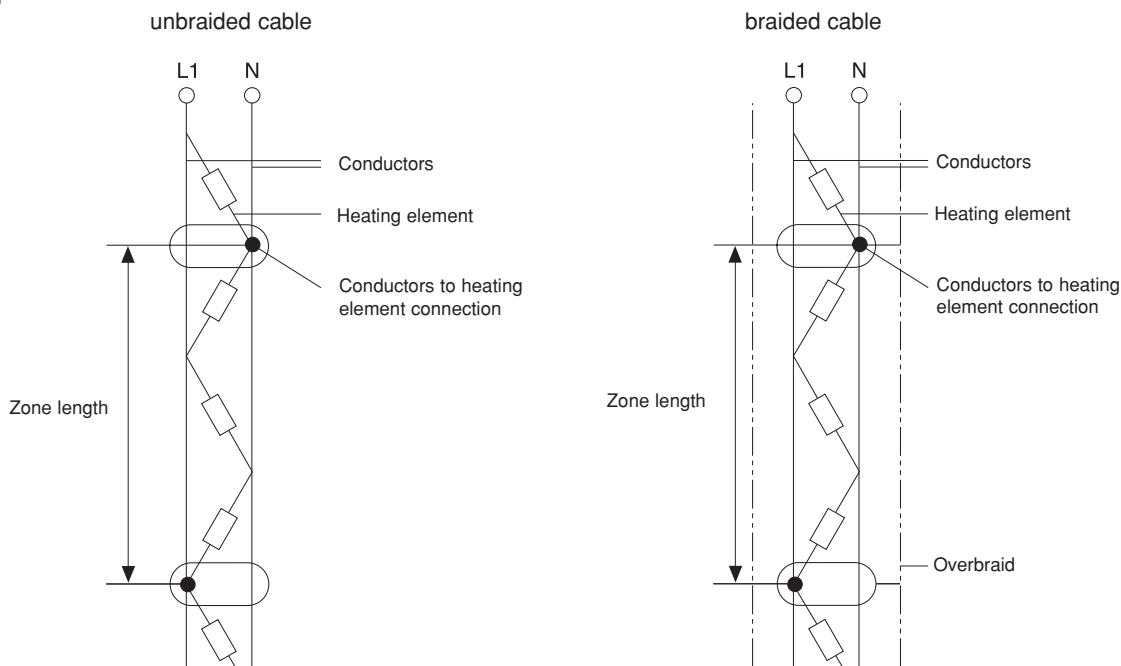
zone connected to the conductors and oversheathed with a further layer of high temperature silicone rubber secondary insulation. A stainless steel overbraid is available as an option.

Heating cable construction



	FG220 10 W/m	FG220 20 W/m	FG220 30 W/m	FG220 40 W/m
Size (unbraided cable)	6.0 x 9.5 mm	6.0 x 9.5 mm	6.0 x 9.5 mm	6.0 x 9.5 mm
(braided cable)	6.5 x 10.0 mm	6.5 x 10.0 mm	6.5 x 10.0 mm	6.5 x 10.0 mm

Specification				
Nominal power output (230 V)	10 W/m	20 W/m	30 W/m	40 W/m
(110 V)	10 W/m	20 W/m	30 W/m	not available
Supply voltage (AC)	230 V or 110 V	230 V or 110 V	230 V or 110 V	230 V
Area classification	Ordinary	Ordinary	Ordinary	Ordinary
Max. circuit length (230 V)	160 m	100 m	90 m	60 m
(110 V)	80 m	50 m	40 m	not available
Max. withstand temperature (power off)	220°C	220°C	220°C	220°C
Max. work piece temperature (power on)	165°C	150°C	135°C	95°C
Min. installation temperature	-50°C	-50°C	-50°C	-50°C
Min. bend radius	20 mm	20 mm	20 mm	20 mm
Min. spacing between turns	10 mm	10 mm	10 mm	10 mm
Colour	Red	Red	Red	Red
Cold lead / heating zone length (230 V)	1.30 m	1.00 m	1.00 m	1.00 m
(110 V)	0.75 m	0.75 m	0.75 m	not available

Wiring diagram

Ordering details

		FG220 10 W/m	FG220 20 W/m	FG220 30 W/m	FG220 40 W/m
Part description	(230V)	FG220-10W/M-230V	FG220-20W/M-230V	FG220-30W/M-230V	FG220-40W/M-230V
(unbraided cable)	(110V)	FG220-10W/M-110V	FG220-20W/M-110V	FG220-30W/M-110V	not available
		10 W/m	20 W/m	30 W/m	40 W/m
Part No.	(230V)	794 532-000	068 360-000	199 864-000	327 464-000
	(110V)	300 650-000	495 544-000	961 992-000	not available
Part description		FG220-B/SS-10W/M-230V	FG220-B/SS-20W/M-230V	FG220-B/SS-30W/M-230V	FG220-B/SS-40W/M-230V
(braided cable)		FG220-B/SS-10W/M-110V	FG220-B/SS-20W/M-110V	FG220-B/SS-30W/M-110V	not available
		10 W/m	20 W/m	30 W/m	40 W/m
Part No.	(230V)	909 930-000	556 828-000	458 312-000	291 534-000
	(110V)	972 820-000	614 012-000	394 730-000	not available

Components

Tyco Thermal Controls offers a full range of components for power connections, splices and end seals. These components must be used to ensure proper functioning of the product and compliance with electrical requirements.

Accessories
Unbraided cable

Part description TSL-TTK1/M20 (cold applied connection and end seal kit - M20 version)

Part No. 315 438-000

Braided cable

Part description TSL-TTK1/B/M20 (cold applied connection and end seal kit - M20 version)

Part No. 981 490-000

Installation entry kit

Part description IEK-25-06

Part No. 566 578-000

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.