



THERMON HEAT TRACERS LIMITED

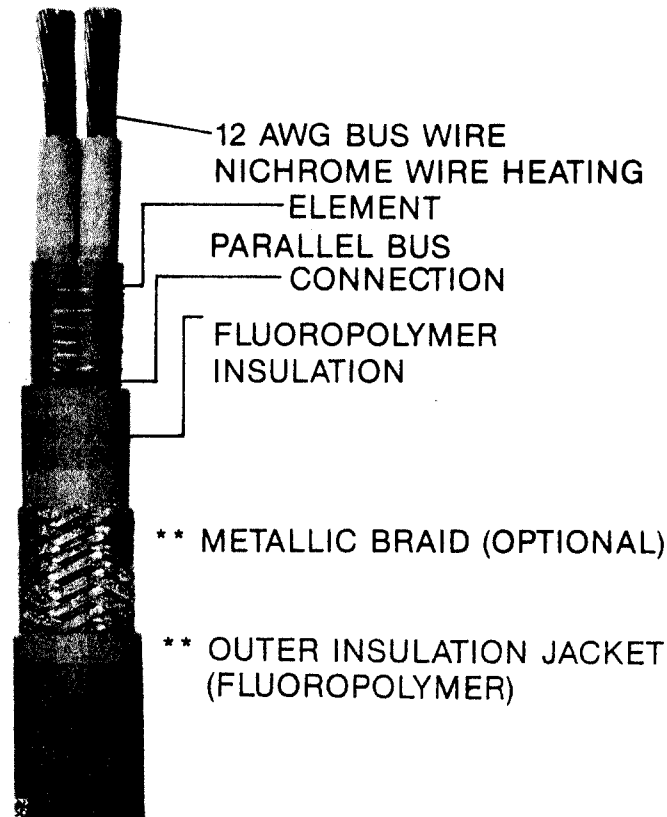
CORPORATE OFFICE: 'THERMON BHAVAN', 30 SHIVAJI NAGAR, PUNE 411 005 • TEL: 58524, 56724 • TELEX: 0145-476 THT IN
WORKS: GAT NO. 566 & 570/1, KOREGAON BHIMA, TALUKA: SHIRUR, DIST: PUNE, MAHARASHTRA (INDIA)

FP – Parallel resistance heating cables

Product specifications

Applications: FP heating cables are for freeze protection and temperature maintenance up to 285°F (141°C).

CONSTRUCTION:



**OPTIONS : BC (tinned copper braid)

BN (nickel-copper braid)

For Division 2 or Zone 2 hazardous areas or where traced equipment does not provide adequate grounding (stainless steel, plastic or coated piping)

BS (stainless steel braid)

For Division 2 or Zone 2 hazardous areas where corrosive attack copper. Also used when tensile strength is required.

OJ (outer insulation jacket)

Includes BC, protects tinned copper from corrosives.

RATINGS:

Maximum maintenance temperature

Maximum exposure temperature
(cable de-energized)

Minimum installation temperature

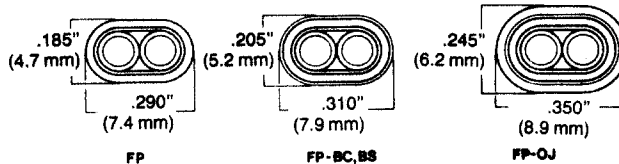
Minimum bending radius

Earth leakage

Voltage rating of insulation

FP
285°F (141°C)
400°F (204°C)
-60°F (-50°C)
.75" (1.9 cm)
.48 ma/100 ft/31 m @ 115 VAC
600 VAC

NOMINAL CABLE DIMENSIONS



MINIMUM BENDING RADIUS: FP, FP-BC, FP-BS: 0.56" (1.4 cm) FP-OJ, FPSF: 0.75" (1.9 cm)

CATALOG NUMBER	COLOUR	SERVICE VOLTAGE	OUTPUT		MAXIMUM CIRCUIT LENGTH		HEATING ZONE LENGTH		CURRENT AMPS/FT	DRAW AMPS/M
			WT/FT	WT/M	FT	M	FT	MM		
FP-2.5	White	115	2.5	8.2	600	183	2'	610	0.022	.072
	White	220	9.1	30	600	183	2'	610	0.041	.135
	White	277	14.5	48	600	183	2'	610	0.052	.171
FP-5	Brown	115	5	16.4	425	130	2'	610	0.043	.141
FP-8	Grey	480	8	26	1400	427	4'	1220	0.017	.056
FP-10	Black	115	10	32.8	300	92	2'	610	0.087	.286
FP-13	Orange	220	4	13	900	275	40"	1016	0.018	.059
	Orange	277	6.3	20.7	900	275	40"	1016	0.023	.075

Notes: Type "Tz" cables are not listed above. They are standard cables and have the same output, voltage rating, insulation color and heating zone length as FP heating cables. The only difference is the insulating material, Tefzel[®], which has a 302°F/150°C temperature rating.

Type FP-Sure Flow[®] cables are not listed above. They are identical to FP heating cables with the addition of extruded, flexible heat transfer cement.

*Tefzel[®] is a registered trade mark of E.L. Du Pont de Nemours Company.

APPROVALS/LISTINGS:

ECONOTRACE parallel resistance heating cable types FP-2.5, FP-5, FP-8, FP-10, and FP-13 with stainless steel or tinned copper (BC) braid are Factory Mutual approved for Class I, Div. 2, Groups B, C and D; Class II, Div. 2, Group G; Class III, Div. 1 and 2 hazardous and non-hazardous locations. ECONOTRACE type FP heating cables are listed by Underwriters Laboratories for non-hazardous locations.

*ECONOTRACE type FP heating cables are also approved by CHIEF CONTROLLER OF EXPLOSIVES, NAGPUR for Petroleum Class C and CENTRAL MINING RESEARCH STATION, DHANBAD for Flameproof ZONE 2 areas.

ACCESSORIES

A complete electric heat tracing package includes:

1. Econotrace heating cable
2. Power connectors
3. End terminations
4. Adhesive tape for cable attachment to pipe
5. Splice kits
6. Temperature controls
7. Caution labels
8. Installation instructions

THERMON supplies a complete line of these materials.