



## T1-E

**Material**  
Rigid PVC  
self extinguishing

**Colour**  
Grey RAL 7030

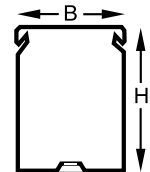
**Standard length**  
2 metres

**Standard unit supplied:**  
Duct complete with cover

## Narrow Slotted Duct

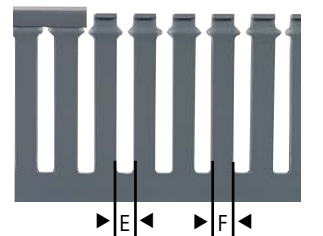
This duct is ideal for small sized wires commonly employed in electric and electronic control panels. This duct with a restricted slot opening is strong and robust due to its thick base and side construction. Perfect solidity is also guaranteed in cantilevered applications.

Made of a material with more than 3000 MPa modules of elasticity, it allows for repeated opening and closing of the duct fingers during wiring operations even at low temperature without breaking. Maximum accuracy and standardisation in series installations is achieved due to close design tolerance.



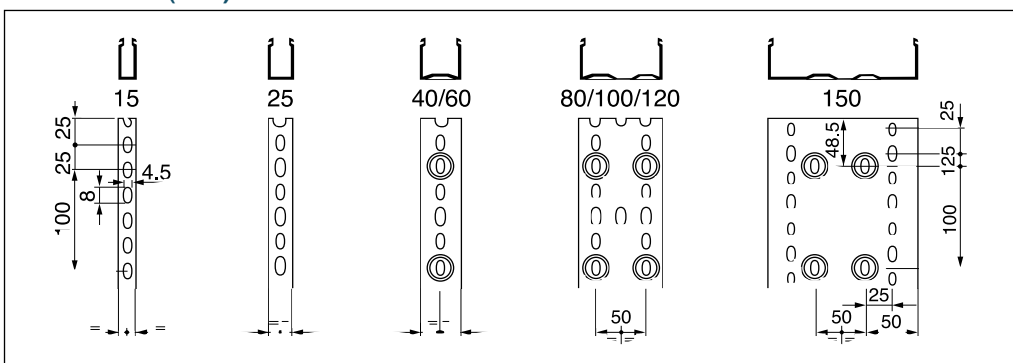
*Detail of duct body/cover coupling for maximum wire retention and maximum solidity.*

Dimensions (mm)				Section mm <sup>2</sup>	Standard pack (metres)	Cat. No.
B	H	E	F			
25	40	4	6	820	72	T1-E 25x40G
40	40	4	6	1360	40	T1-E 40x40G
60	40	4	6	1970	24	T1-E 60x40G
80	40	4	6	2680	24	T1-E 80x40G
100	40	4	6	3380	16	T1-E 100x40G
25	60	4	6	1190	48	T1-E 25x60G
40	60	4	6	2040	36	T1-E 40x60G
60	60	4	6	3080	24	T1-E 60x60G
80	60	4	6	4150	24	T1-E 80x60G
100	60	4	6	5250	16	T1-E 100x60G
120	60	4	6	6300	16	T1-E 120x60G
25	80	4	6	1550	48	T1-E 25x80G
40	80	4	6	2700	32	T1-E 40x80G
60	80	4	6	4140	24	T1-E 60x80G
80	80	4	6	5660	24	T1-E 80x80G
100	80	4	6	7150	16	T1-E 100x80G
120	80	4	6	8630	16	T1-E 120x80G
100	100	4	6	8920	8	T1-E 100x100G



*Duct bottom perforation according to DIN 43659.*

### Dimensions (mm)



*T1-E bottom perforation.*

*The bottom perforation of the cable duct series T1 and T1-E allows mounting on the panel with DUCTAFIX R6 or R4 or on DIN rails.*

*The recess bosses in the base of duct series T1 and T1-E allow rapid mounting of components CL, ZP2 and SEP-E inside the duct cable.*

BOCCHIOTTI wiring products respond to all installation needs, coping with different uses and environmental applications. They are manufactured with high quality materials that undergo severe quality controls and performance tests under extreme operating and duration conditions with a constant control of quality standards.

- WIRING DUCTS, SEP-E and CL are manufactured in rigid self extinguishing PVC
- Those components for which high bending resilience is required are in polyamide 6 and polypropylene
- SPIRALITE is manufactured in natural polyethylene and self extinguishing polyethylene

MATERIALS		RIGID PVC	POLYPROPYLENE	POLYAMIDE 6	POLYETHYLENE	FLAME RETARDANT POLYETHYLENE
CHARACTERISTICS AND PROPERTIES	UNIT OF MEASURE					
<b>PHYSICAL CHARACTERISTICS</b>						
Specific gravity	g/cm <sup>3</sup>	1.55	0.95	1.14	0.92	0.97
Water absorption at 23°	%	< 0.1	< 0.1	2.5	< 0.1	< 0.1
Formaldehyde	ppm	absent	absent	absent	absent	absent
Cadmium	ppm	absent	absent	absent	absent	absent
<b>MECHANICAL CHARACTERISTICS</b>						
Max. tensile stress	MPa	39	24	45	17	15
Tensile yield point	MPa	44	28	55	9.5	9
Elongation at break	%	130	200	250	400	600
Modulus of elasticity to tensile strength	MPa	4400	-	950	-	240
Modulus of elasticity to tensile flexion	MPa	3200	1500	1100	210	130
<b>THERMAL CHARACTERISTICS</b>						
VICAT Temperature	°C	84	95	198	89	-
Operating temperature	°C	+60/-5	-	-	-	-
HDT temperature	°C	72	90	185	-	-
Thermal expansion factor	°K <sup>-1</sup>	6 10 <sup>-5</sup>	14 10 <sup>-5</sup>	8 - 10 10 <sup>-5</sup>	22 10 <sup>-5</sup>	10 <sup>-5</sup>
Specific heat	kJ/kgK	0.94	-	1.7	-	-
Thermal conductivity	W/mK	0.14	0.21	0.29	0.32	0.32
<b>ELECTRICAL CHARACTERISTICS</b>						
Dielectric strength	Adim.	3.2 - 4.0	2.4	5.0	2.4	2.3
Dielectric resistance	kV/mm.	70	75	35	90	90
Surface resistance	Ohm	10 <sup>13</sup>	10 <sup>13</sup>	5 10 <sup>11</sup>	10 <sup>13</sup>	10 <sup>13</sup>
<b>SELF EXTINGUISHING CHARACTERISTICS</b>						
1.6 mm Self extinguishing	Adim.	V0	V2	V2	HB	V2
3.2 mm Self extinguishing	Adim.	V0	V2	V2	HB	V2
Glow wire test (2 mm)	°C	960	850	650	650	850
CSTB classification	Adim.	M1(RAL7030)	-	-	-	-
Oxygen number	%	43	25	25	-	25

Resistance to chemical agents: These plastic materials are known to be resistant to alcohol, acids and basic substances.

## NO OZONE DEPLETING SUBSTANCES

The Istituto di Ricerche BREDA (Technical Report No. 94106/AC/287 of 29/06/94) has certified that no ozone depleting substances are contained in any of the plastic materials or production processes employed by Bocchiotti S.p.A.

The properties declared herein above have only the value of technical information based on the average results obtained from tests carried out, and in any case, do not involve the liability of the manufacturer or NHP.

The right to change specifications and appearance of the products illustrated in this catalogue without prior notice is reserved.

## WIRING DUCT AND COMPONENTS

### *The most extensive line of wiring duct and components*

Bocchiotti wiring systems feature excellent assembly functionality and are ideal for any type of power and control panel where performance remains unaltered over time even under the heaviest operating conditions.

The reliability and durability of these products is guaranteed by a very severe selection of raw materials employed for their production and rigorous process controls.

Their superior quality is a guarantee of product compliance with all major national and international standards.

The full range, featuring state-of-the-art technical solutions, includes 120 types of ducts with different side slot openings, size and colours, in addition to several functional components and accessories including universal spiral wrapping and galvanic zinc plating steel DIN rails.

