



ELECTRICAL PVC TUBING/SLEEVING

Termal Class A: temperature range -45°C to +105°C

Termal Class B: heat resistant up to +125°C



DESCRIPTION :

Heat resistant electrical PVC tubing/sleeving is available with the inside diameter range from 0,5 mm to 35 mm and wall thickness range from 0,3 mm to 4,0 mm in a variety of standard and custom colours, plain or stripped. Special sizes and finishes are available upon request. Heat resistant electrical PVC tubing/sleeving withstands prolonged exposure to hot oils and is resistant to most chemicals, oils, acids, common cleaning solvents and solutions. Heat resistant electrical PVC tubing/sleeving is self-extinguishing and successfully passed a full cycle flammability tests conducted according to Underwriters Laboratories Inc. Standard UL 1581 Method VW-1 as confirmed by a Test Report. **MATERIAL :**

Electrical grade PVC certified to contain no cadmium and no lead

COLOURS :

White, black, clear, blue, green, yellow, purple, red and other. Custom colours also available upon request.

APPLICATIONS :

Wire, cable, hydraulic lines etc. insulation, sleeving, shielding and protection against abrasion and damage. Especially useful in elevated temperature applications such as automotive wire harnesses etc. Commonly used as liquid and gas lines and also as fuel lines. Other uses include wire marking and identification, etc.

THERMAL PROPERTIES :

Class A:

Temperature range - continuous -45°C up to +105°C

Class B:

Temperature range - continuous -45°C up to +125°C

OTHER PROPERTIES :

Thermal stability at 200°C - no less than 550 min.

Volume resistivity at 20°C - $3,4 \times 10^{13}$ Ohm cm Dielectric strength - 27kV/mm minimum

STANDARDS :

PN-89/C-89209, PN-73/E-29200, PN-EN 60684-1:2002, DIN 40621, IEC 332-1, PN-92/T 90320

COMPLIANCE WITH DIRECTIVE EC :

Meets the requirements of the European Directive 2002/95/WE (RoHS) dated January 27, 2003 restricting the use of some substances within electrical and electronic equipment

TESTS AND CERTIFICATION : Flammability Test Report No. TP-03.026/ UL1581:2001 VW-1, Safety Mark B,



typical internal diameter [mm]	typical range of wall thicknesses [mm]	estimated yield [mb/kg]
0,5; 1; 2	0,3 - 0,5	160 - 300
2; 3	0,5 - 1	125 - 155
3; 4	0,5 - 1	50 - 125
5; 6; 7	0,5 - 1,5	20 - 65
8; 9; 10; 11; 12	0,5 - 2	25 - 45
13; 14; 15; ...19	1 - 2	15 - 25
20; 21; 22; 23	1 - 2	10 - 15
24; 25; 26; ...30	1,0 - 2,0	5 - 10
31; ...35	1,0 - 2,5	3 - 5