



<b>GROUP</b>	<b>SG</b>	<b>PRODUCT SPECIFICATION</b> <b>WIRE AND CABLE INSULATION, PROTECTION, AND IDENTIFICATION. TRANSMISSION OF LIQUIDS AND GASSES</b>	 <b>+125°C</b>
<b>SPEC NO</b>	<b>WE-PCW-E-125</b>		
<b>REVISION</b>	<b>20.01</b>		
<b>DATE OF ISSUE</b>	<b>2020-03-18</b>	<b>ELECTRICAL PVC TUBING/SLEEVING</b> TEMPERATURE RANGE UP TO +125°C	

#### DESCRIPTION

Electrical PVC tubing/sleeving is available in 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. Electrical PVC tubing/sleeving is resistant to most chemicals, oils, acids, common cleaning solvents and solutions. 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.

PICTURE	SIZES							
	<table border="1"> <thead> <tr> <th>Inside diameter (range) [mm]</th> <th>Wall thickness (range) [mm]</th> </tr> </thead> <tbody> <tr> <td>0,5 - 35</td> <td>0,3 – 2,0 others upon request</td> </tr> </tbody> </table>	Inside diameter (range) [mm]	Wall thickness (range) [mm]	0,5 - 35	0,3 – 2,0 others upon request			
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#### TECHNICAL DATA

Material	Electrical grade soft PVC (polyvinyl chloride), flammability rating UL 94 V-1		
Colour	Standard. Custom colours also available with minimum order q-ty of 10 kg.		
Applications	Wire, cable, hydraulic lines etc. insulation, sleeving, shielding and protection against abrasion and damage. Commonly used as liquid and gas lines. Other uses include wire marking and identification, etc.		
Thermal properties	Temperature range – continuous Working temperature next to wire	-45°C ... +125°C +125°C	DIN 53372
Flamability	Flammability Class	Self-extinguishing	UL 1581:2001 method VW-1
Mechanical properties	Hardness Shore A Tensile Strength at 23°C Elongation Thermal Stability (at 200 °C) Volume Resistivity (at 20 °C) Volume Resistivity (at 70 °C) Permittivity Dielectric Strength Dielectric Constant	92° ShA 19,5 MPa 280% 550min 3,4*10 <sup>13</sup> Ω·cm 1,3*10 <sup>11</sup> Ω·cm 4,8 27,2 kV/mm 0,17	ISO 868:1998 PN-ISO 37:1997 PN-ISO 37:1997 VDE 0472/602 DIN 53482 DIN 53482 DIN 53483 PN-IEC243-1:1996 DIN 53483
Other properties	Non toxic, no identified harmful effects on human health.		
Tests and certification	Meets the requirements of the European Directive 2015/863/WE (RoHS3) dated March 31, 2015 restricting the use of some substances within electrical and electronic equipment. Certificate of Conformance – Biuro Badawcze Jakości – SEP, Test Report No. TP-03.026/UL1581:2001 VW-1 ZETOM Certificate No. 25/02 Safety Mark <b>B</b> Flamability according to standard PN-EN 60695-11-10:2014, classification UL94 Compliance with the standard: PN-EN 60684-1:2002, PN-89/C-89209, PN-73/E-29200, DIN 40621		
Part Number	WE-[ a* ]-[ b* ]-PCW-E-125 a* – inside diameter, b* – wall thickness		

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