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| GROUP | SG | PRODUCT SPECIFICATION WIRE AND CABLE INSULATION, PROTECTION, AND IDENTIFICATION. TRANSMISSION OF LIQUIDS AND GASSES |  |
| SPEC NO | WE-PCW-E-125 | | |
| REVISION | 26.01 | ELECTRICAL PVC TUBING/SLEEVING TEMPERATURE RANGE UP TO +125°C | +125°C |
| DATE OF ISSUE | 14.04.2026 | | |

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"> <tr> <th align="center">Inside diameter (range) [mm]</th> <th align="center">Wall thickness (range) [mm]</th> </tr> <tr> <td align="center">0,5 - 35</td> <td align="center">0,3 – 2,0 others upon request</td> </tr> </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 ¹³ Ω·cm 1,3*10 ¹¹ 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 | REACH - we herewith declare that none of materials and/or substances used in manufacturing of our products is listed on the SVHC list of REACH dated February 4, 2026. 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 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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|  | MANUFACTURING AND DISTRIBUTION: Wytwórnia Artykułów z Tworzyw Sztucznych - Dariusz Kurant, ul. Zyndrama 9/11, 94-301 Łódź, Poland. Tel: +48 42 634 72 60, 634 84 48 Fax: +48 42 634 72 60, 634 84 48 e-mail: info@kurant.com.pl www.kurant.pl, www.oznaczniki.pl NIP: 7271607798, DUNS: 42-310-6184, BDO: 000017970 |
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