

Pipe fitting characteristics

The pipe fitting characteristics should comply with the specifications outlined in the JG/T 3050-1998 standard.

Characteristic		Requirement
Drop resistance		No cracking or breakage
Heat resistance		$D_i \leq 2\text{mm}$
Resistance to burning	Self-extinguishing time	$t_e \leq 30\text{s}$
	Oxygen index	$OI \geq 32$
Electrical performance		No breakdown within 15min $R \geq 100\text{M}\Omega$

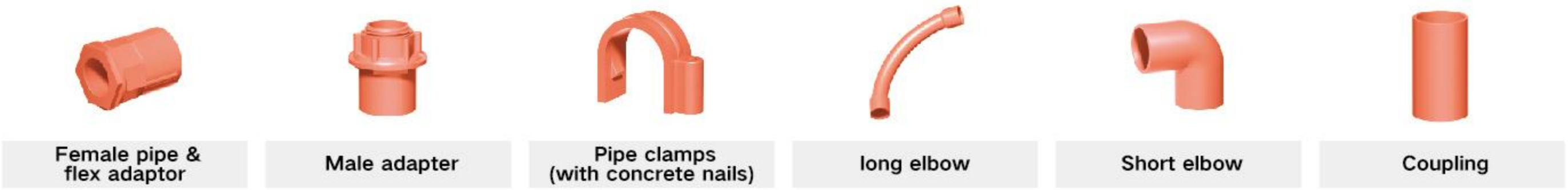
Pipe series

The pipe is red-orange in color and has a standard length of 3 meters, although custom lengths can also be accommodated based on customer requirements.

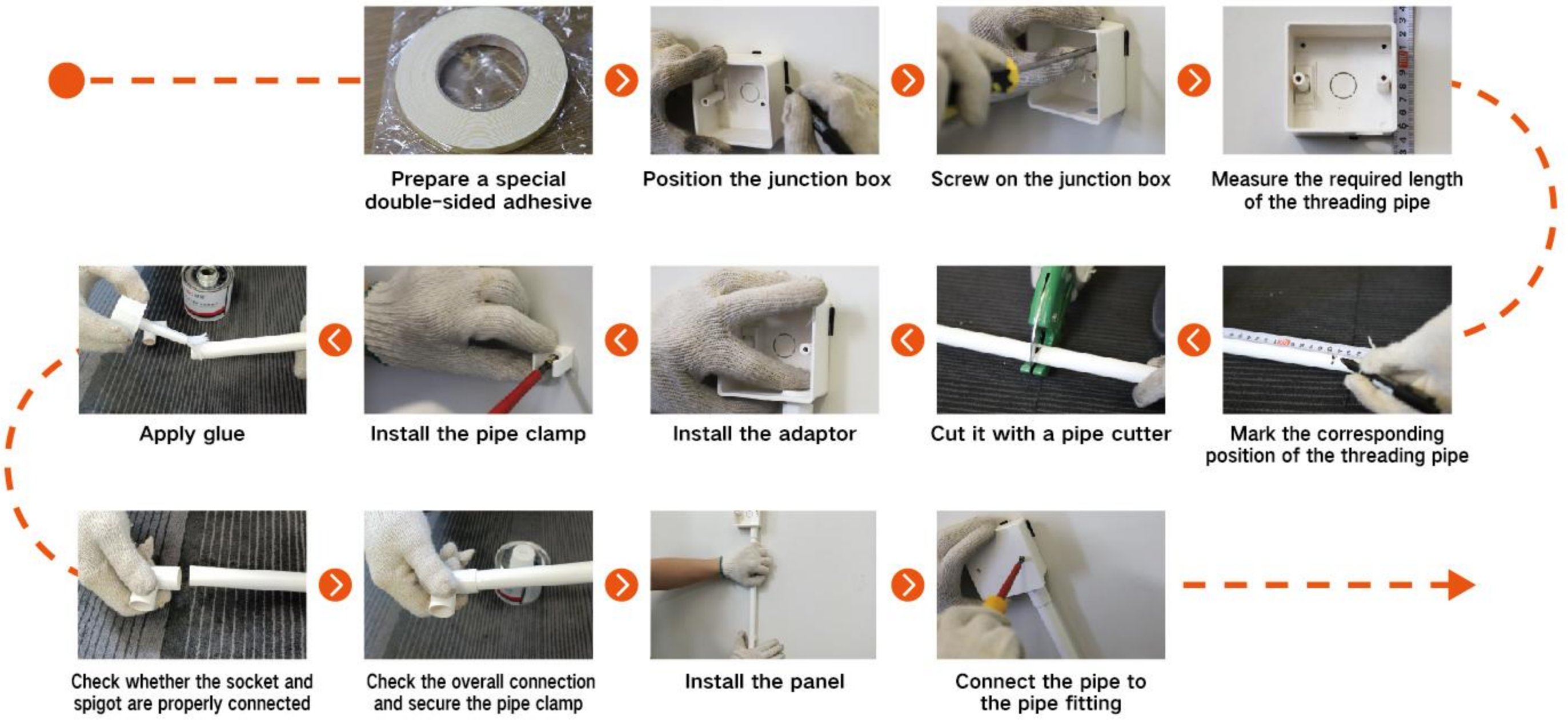
Nominal outer diameter (mm)	Inch	Wall thickness (mm)	
		Thin Wall	Thick Wall
dn20	1/2"	1.5	2.2
dn25	3/4"	1.5	2.3
dn32	1"	1.5	2.4
dn40	1-1/4"	1.5	2.4
dn50	1-1/2"	1.5	2.4

Pipe fitting series

Size (inch) : 1/2", 3/4", 1", 1-1/4", 1-1/2"



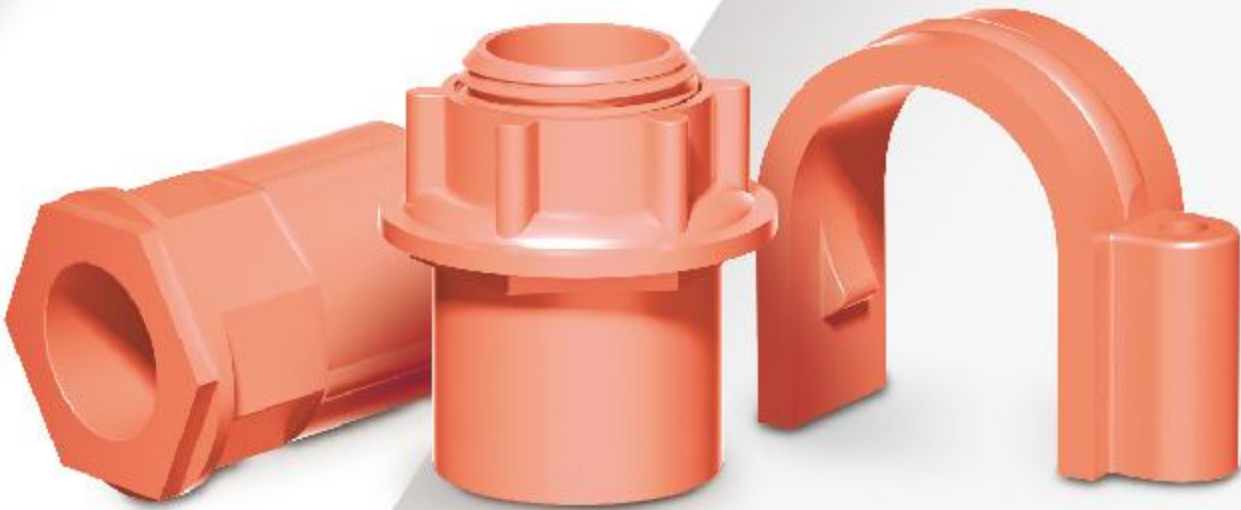
Product features



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LESSO

UPVC-ELECTRICAL
CONDUIT AND
FITTINGS



LESSO PHILIPPINES TRADING INC.

Lesso Group (Stock Code: 02128. HK) is a large industrial group of home furnishings and building materials. Lesso's business portfolio spans plastic piping, building materials and home furnishings, environmental protection, new energy, supply-chain service platforms and others. It offers products such as pipe, photovoltaic, plumbing and sanitary ware, integral kitchen materials, integral doors and windows, aluminum formwork and smart scaffolds, water purifiers, water-proofing materials and sealants, fire-fighting equipment, valves, cables, lighting, hygiene materials, items for environmental protection, agricultural facilities, and oceanic aquaculture cages. Its sales revenue has reached CNY 30.767 billion in 2022.

With the rapid development of internationalization and globalization, Lesso boasts more than 30 advanced production bases around the world. Lesso remains committed to improving its strategic layout, broadening its sales network and expanding the market. This is how it provides products and services for customers in a timely and efficient way.

Lesso has established its R&D center with more than 1,000 scientific researchers. The Group now possesses thirty-two national high-tech enterprises, one national accredited enterprise technology center, two post-doctoral workstations, and six national accredited laboratories authorized by CNAS. Lesso owns over 2,900 patents (some of them are pending).



30+

PRODUCTION BASES



1,000+

SCIENTIFIC RESEARCHERS



2,900+

PATENTS



10,000+

VARIETIES OF PRODUCTS



LESSO Research Institute & Testing Center



LESSO College



Training Apartment

UPVC-ELECTRICAL CONDUIT AND FITTINGS

Product introduction

PVC electrical conduit, commonly referred to as threaded pipe, boasts a range of outstanding characteristics and finds extensive application in construction electrical installation projects for safeguarding and securing wire or cable installations. These pipes and pipe fittings are red-orange in color. The pipes adhere to the standard PNS 14:2005, while the pipe fittings conform to the standard JG/T 3050-1998.

Product features

Excellent insulation

The product exhibits high resistance to current breakdown voltage, thereby mitigating the risk of electrification.

Strong impact resistance

The product can withstand pressure, can be concealed within concrete, and is resistant to both pressure and impact damage.

Moisture, acid and alkali resistant

The product is impervious to rust caused by moisture, and it also demonstrates resistance to acid, alkali, and oil, making it suitable for a wide range of environments.

Easy to bend

The product can be easily bent without heating, making it easy to install and maintain.

Prevention frompests and rats

The product does not emit odors that attract pests and rodents, thus helping to prevent damage from gnawing.

Excellent fire resistance

PVC electrical conduit boasts a high oxygen index and is fire-retardant, enabling it to swiftly self-extinguish after being exposed to flames, thereby aiding in preventing the spread of fire.

Pipe characteristics

The pipe's characteristics should comply with the requirements outlined in the PNS 14:2005 standard.

Characteristic	Requirement
Vicat softening temperature	≥76℃
Thermal shrinkage rate Heat reversion*	≤5%
Water absorption	≤40g/m ²
Tensile strength at 28℃	≥27.5MPa
Elongation at break	≥15%
Resistance to burying	When the conduit is held in the flame for one minute,the flame shall extinguish itself in less than 30 seconds after the removal of the flame
Resistance to external blows	The true impact rate of the batch shall not exceed 10%
Flattening test	Flattened to 40%dn, no evidence of splitting, cracking or breaking
Resistance to acetone	No sign of delamination or disintegration

*After heat reversion test, the conduit shall no signs of cracks, cavities or blisters.