

TECHNICAL DATA SHEET



EVOEL SL

Smooth low compression strength conduits

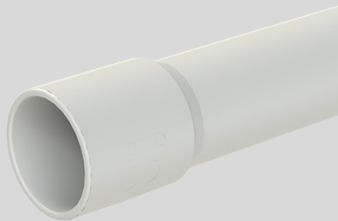
According to EN 61386-1
 Classification: 22211

PRODUCT DESCRIPTION

A rigid electrical installation conduit made of light grey (RAL 7035), non-plasticised PVC. The conduit is manufactured in straight 3 m bars, with a moulded-on coupling for quick connection. The conduit features a low mechanical resistance.

Material: PVC-U, low compression strength, low impact strength, temperature resistance from - 5°C to +60°C, withstands temperature (temporarily) up to +70°C, self-extinguishing, corrosion-resistant.

Conduit is produced according to: EN 61386-1; EN 61386-21 standard specifications.



APPLICATION AREA

The conduits are recommended for simple exposed installations.

Compression strength:
320 N/5cm

Open product

PRODUCT DIMENSIONS

Nominal size	16	20	25	32	40	50	63
Outside OD, mm	16.0	20.0	25.0	32.0	40.0	50.0	63.0
Inside ID, mm	14.3	18.3	22.6	29.4	36.8	46.0	59.0
Bar length, m	3	3	3	3	3	3	3

PRODUCT PARAMETERS

Parameter	Value	Test method
Material	PVC-U	
Combustion	Flame retardant, self extinguishing	
Impact strength, J at C°	>1 J at -5°C	EN 61386-1
Compression strength, N/5cm	>320	EN 61386-1
Temperature resistance, min/max °C	-5 / +60 °C	EN 61386-1
Flexibility	Rigid	EN 61386-1

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EVOEL classification codes according to EN 61386-1

Digit in the classification code										
1		2		3		4		5		
Compression strength		Impact strength		Minimum operating temperature t°		Maximum operating temperature t°		Flexibility		
Codification number	1	125N very low	1	0.5J (0.5 kg/100mm) very low	1	+5°C	1	+60°C	1	rigid
	2	320N low	2	1J (1.0 kg/100mm) low	2	-5°C	2	+90°C	2	pliable
	3	750N medium	3	2J (2.0 kg/100mm) medium	3	-15°C	3	+105°C	3	pliable/self recovering
	4	1250N high	4	6J (2.0 kg/300mm) high	4	-25°C	4	+125°C	4	flexible
	5	4000N very high	5	20.4J (6.8 kg/300mm) very high	5	-45°C	5	+150°C		
							6	+250°C		
							7	+400°C		

2	2	2	1	1
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Example: electrical installation conduit with medium compression strength (3), medium impact strength (3), minimum operating temperature -25°C (4), maximum operating temperature +60°C (1), pliable (2).

STANDARTS APPLICABLE TO CONDUITS

Number	Title
EN 61386-1	Conduit systems for cable management - Part 1: General requirements.
EN 61386-21	Conduit systems for cable management - Part 21: Particular requirements. Rigid conduit systems.
EN 61386-22	Conduit systems for cable management - Part 22: Particular requirements. Pliable conduit systems.
EN 61386-23	Conduit systems for cable management - Part 23: Particular requirements. Flexible conduit systems.
EN 50267-2-2	Common test methods for cables under fire conditions - Test on gases evolved during combustion of materials from cables. Parts 2-2: Procedures. Determination of degree of acidity of gases for materials by measuring pH and conductivity.
EN 61034-2	Measurement of smoke density of cables burning under defined conditions. Part 2: Test procedure and requirements.
EN 60332-1-2	Tests on electric and optical fibre cables under fire conditions. Parts 1-2: Test for vertical flame propagation for a single insulated wire or cable. Procedure for 1 kW pre-mixed flame.
EN 60332-1-3	Tests on electric and optical fibre cables under fire conditions. Parts 1-3: Test for vertical flame propagation for a single insulated wire or cable. Procedure for determination of flaming droplets/particles.
EN 61386-24	Conduit systems for cable management - Part 24: Particular requirements for conduit systems buried underground.