



## CLASSIFICATION CODE FOR CONDUIT SYSTEMS

According to EN 61386.01

The classification code is made of 12 digits, according to EN 61386.01, and determines conduits main properties. The first 5 digits are the most usually displayed at marking and classify conduits according to their compression resistance, impact resistance, minimum and maximum operating temperature and bending resistance. Classification code is demonstrated on the below table:

Product example  
CONDUR® rigid conduit  
(pg 16)

Digits	Class	0	1	2	3	4	5	6	7	
1	Resistance to compression	None declared	Very light (125Nt)	Light (320Nt)	Medium (750Nt)	Heavy (1250Nt)	Very heavy (4000Nt)			4
2	Resistance to impact	None declared	Very light (0.5 kg/100 mm - 0.5J)	Light (1.0 kg/100 mm - 1J)	Medium (2.0 kg/100 mm - 2J)	Heavy (2.0 kg/300 mm - 6J)	Very heavy (6.8 kg/300 mm - 20.4J)			4
3	Lower temperature range	None declared	+5°C	-5°C	-15°C	-25°C	-45°C			4
4	Upper temperature range	None declared	+60°C	+90°C	+105°C	+120°C	+150°C	+250°C	+400°C	1
5	Resistance to bending		Rigid	Pliable	Pliable/Self recovering	Flexible				1
6	Electrical characteristics	None declared	With electrical continuity characteristics	With electrical insulating characteristics	With electrical continuity and insulating characteristics					2
7	Protection against ingress of solid objects				Solid foreign objects over 2.5mm (e.g. tools, cables)	Solid foreign objects over 1.0mm (e.g. thin tools, small wires)	Dust (permeable only to visible particles)	Dust - tight		6
8	Protection against ingress of water	None declared	Vertically falling water drops	Direct sprays of water up to 15° from vertical	Direct sprays of water up to 60° from vertical	Water splashing from all directions	Low pressure jets of water from all directions	Powerful pressure jets of water from all directions	Immersion in water between 15cm and 1m	5
9	Resistance against corrosion	Not applicable	Low protection inside and outside	Medium protection inside and outside	Medium protection inside, high protection outside	High protection inside and outside				0
10	Tensile strength	None declared	Very light	Light	Medium	Heavy	Very Heavy			0
11	Resistance to flame propagation		Non flame propagating	Flame propagating						1
12	Suspended load capacity	None declared	Very light	Light	Medium	Heavy				0