Appendix 3 IEC Classification Key & Limitation of Cable Capacity

BS EN 61386, IEC 61386 Classification Coding

Level	Compression Strength (N)	Impact Strength (J)	Min. Temperature (℃)	Max. Temperature (℃)	Tensile Strength (N)
0	-	-	-	-	Not declared
1	125	0.5	5	60	100
2	320	1	-5	90	250
3	750	2	-15	105	500
4	1250	6	-25	120	1000
5	4000	20	-45	150	2500
6	-	-	-	250	-
7	-	-	-	400	-

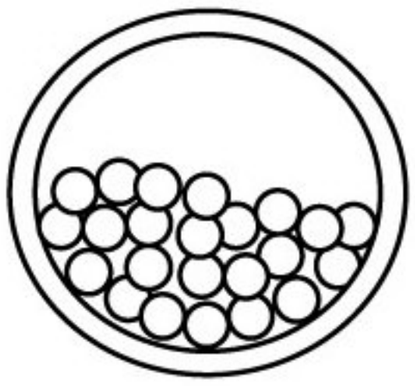
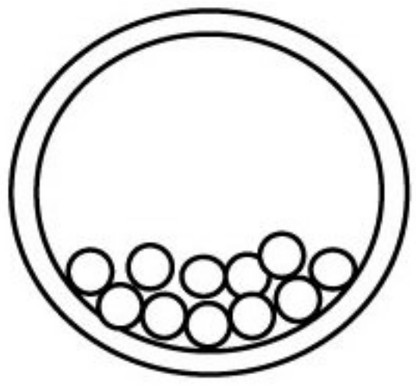
In many countries, the number of conductors is limited in conduits for better electrical safety.
Please refer to the following charts for better understanding:

1. According to UK wire regulations BS 7671 Requirements For Electrical Installations, it is regulated that the conductor in conduits shall be less than 40% of the total cross sectional area.

2. In National Electrical Code, wire capacity is also limited:

Number of Conductors	All Conductor Types
1	53
2	31
Over 2	40

3. In Taiwan, Chinese National Standards (CNS) also regulates in Indoor Wiring Regulation Article 222:

One conductor size	More than one conductor size
Less than 60%	Less than 40%
	

To protest the end user's safety, please follow the installation regulations. Please do not overload conductors in case of overheating and fire.

BLISS Performance by BS EN 61386

BLISS Product	Compression Strength (N)	Impact Strength (J)	Min. Temperature (℃)	Max. Temperature (℃)	Tensile Strength (N)
A2012	4	4	5	7	3
A2013	4	4	5	7	3
A2017	4	4	4	1	4
A2018	4	4	4	1	3
A2066	4	4	4	1	4
A2067	4	4	4	1	4
A2068	4	4	4	1	4
A2082	4	5	5	7	4
A2116	4	4	4	1	4
A2167	4	4	4	1	4
A7012	4	4	5	7	4
A7013	4	4	5	7	4
A7207	4	4	4	1	4
A7217	4	4	4	1	4
A9133	4	4	5	7	3
A9333	4	4	4	1	4
A9533	4	4	4	1	4
E2017	2	3	4	1	2
M2012	4	4	5	7	3
M2017	4	4	4	1	4
N2017	2	4	4	3	2
R2066	4	4	4	1	4
S2066	4	4	5	3	4
S2067	4	4	5	3	4
U2017	4	4	4	2	4
U2066	4	4	4	2	4

Sample：1/2" Conduit