



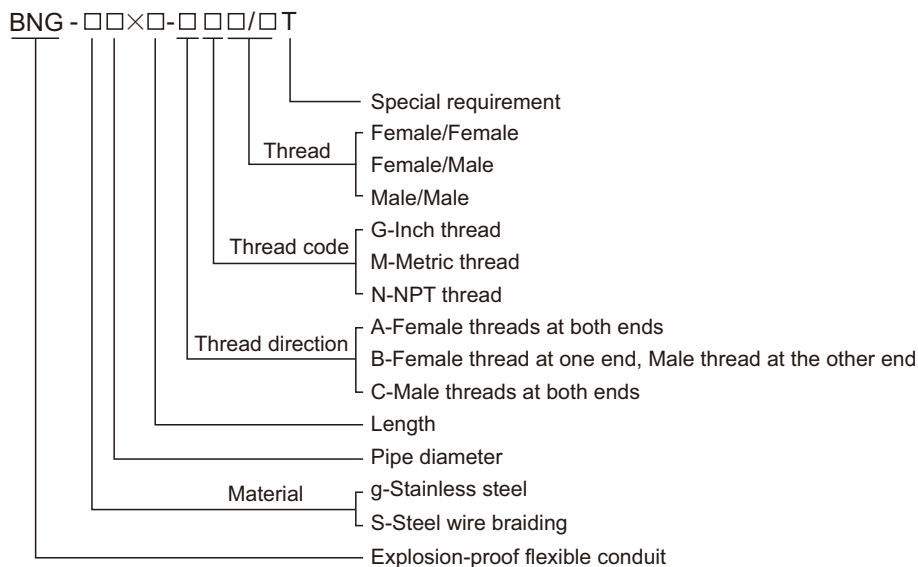
BNG-Series Explosion-proof Flexible Conduits

1 Application and Features

- Explosion protection
-GB
- Application in hazardous area
Zone 1 and Zone 2
Zone 20, Zone 21 and Zone 22
- Flame-proof (Type 'd') structure.
The middle part of BNG-g flexible conduit is stainless steel flexible pipe and network pipe, and the joints at both ends are made of stainless steel.
The middle part of BNG-S flexible conduit is a rubber tube reinforced with a metal mesh tube, and the joints at both ends are made of carbon steel.
- Widely used in the connection between explosion-proof boxes or explosion-proof lamps and pipes, to protect cables from damage and corrosion resistance.

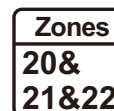
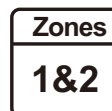
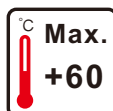


2 Formation of Marking



3 Technical Parameter

Explosion protection	Gas explosion protection	Ex d IIC Gb
	Dust explosion protection	Ex tD A20 IP65
Conformity to standards		GB3836.1,GB3836.2,GB12476.1,GB12476.5
Enclosure material	BNG-g	Stainless steel 304 as standard. If special requirements, please specify when ordering.
	BNG-S	The middle part is a rubber tube reinforced with a metal mesh tube with Q235 galvanized joints at both ends
Degree of protection		IP65
Ambient temperature		-20℃ ~+60℃
Structure type		Female/Female, Female/Male, Male/Male, G1/2 ~ G2 as standard. Special requirements, such as Metric thread (M) (1.5mm pitch), NPT thread, please specify when ordering.





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4 Selection Table

Thread specification			Pipe nominal diameter (mm)	Pipe internal diameter (mm)		Length L (mm)	Minimum bending radius (mm)
G	M	NPT		BNG-g	BNG-S		
1/2	M20X1.5	1/2	15	12.5	13	700	80
1/2	M20X1.5	1/2	15	12.5	13	1000	80
3/4	M25X1.5	3/4	20	17.5	17	700	110
3/4	M25X1.5	3/4	20	17.5	17	1000	110
1	M32X1.5	1	25	23	20	700	145
1	M32X1.5	1	25	23	20	1000	145
1 1/4	M40X1.5	1 1/4	32	30.5	28	700	180
1 1/4	M40X1.5	1 1/4	32	30.5	28	1000	180
1 1/2	M50X1.5	1 1/2	40	35	34	700	210
1 1/2	M50X1.5	1 1/2	40	35	34	1000	210
2	M63X1.5	2	50	45.5	46	700	250
2	M63X1.5	2	50	45.5	46	1000	250

5 Weight

Thread	Type	Weight per meter of middle part (kg)	Weight of joints at both ends (kg)	Type	Weight per meter of middle part (kg)	Weight of joints at both ends (kg)	Type	Weight per meter of middle part (kg)	Weight of joints at both ends (kg)
G1/2	BNG-g-A	0.5	0.26	BNG-g-B	0.5	0.27	BNG-g-C	0.5	0.28
G3/4	BNG-g-A	0.7	0.36	BNG-g-B	0.7	0.41	BNG-g-C	0.7	0.45
G1	BNG-g-A	0.9	0.42	BNG-g-B	0.9	0.48	BNG-g-C	0.9	0.53
G1 1/4	BNG-g-A	1.1	0.6	BNG-g-B	1.1	0.74	BNG-g-C	1.1	0.88
G1 1/2	BNG-g-A	1.6	1.1	BNG-g-B	1.6	1.2	BNG-g-C	1.6	1.4
G2	BNG-g-A	1.9	1.8	BNG-g-B	1.9	2.1	BNG-g-C	1.9	2.3
G1/2	BNG-S-A	0.4	0.26	BNG-S-B	0.4	0.27	BNG-S-C	0.4	0.28
G3/4	BNG-S-A	0.6	0.36	BNG-S-B	0.6	0.41	BNG-S-C	0.6	0.45
G1	BNG-S-A	0.75	0.42	BNG-S-B	0.75	0.48	BNG-S-C	0.75	0.53
G1 1/4	BNG-S-A	0.83	0.6	BNG-S-B	0.83	0.74	BNG-S-C	0.83	0.88
G1 1/2	BNG-S-A	1.5	1.1	BNG-S-B	1.5	1.2	BNG-S-C	1.5	1.4
G2	BNG-S-A	1.8	1.8	BNG-S-B	1.8	2.1	BNG-S-C	1.8	2.3

Note: M thread and NPT thread refer to the corresponding G thread weight above.