

PRATLEY[®] SIZE SELECTION CHART FOR ARMoured CABLE

Cable Size (mm ²)	Nº Cores	Steel Wire Armouring (SWA)		
		Approx. Min cable bedding Ø	Approx. Max cable bedding Ø	Suitable Gland Group (A,B,C,...) & Size (0s,1,2,...)
1.0	2	8.0	9.5	A: 00/0s*; B: 0s;
1.0	3	9.1	9.6	A: 0; B: 0s;
1.0	4	9.5	10.4	A: 0; B: 0s*;
1.0	7	10.2	10.5	A: 0; B: 0L;
1.0	12	13.0	13.5	A: 1; B: 1s;
1.0	19	15.6	16.0	A: 2; B: 1L*;
1.0	27	20.0	20.5	A: 2*; B: 2L*;
1.0	37	22.0	23.0	A: 3; B: 3s;
1.5	2	7.3	9.1	A: 00/0s*; B: 0s*;
1.5	3	7.8	9.9	A: 00/0s*; B: 0s*;
1.5	4	8.5	10.9	A: 0; B: 0s*;
1.5	5	9.7	12.3	A: 0; B: 0s*;
1.5	7	10.0	14.2	A: 0*; B: 0s*;
1.5	8	12.6	15.2	A: 1; B: 0L*;
1.5	10	14.8	15.4	A: 1; B: 1L;
1.5	12	13.7	15.8	A: 1*; B: 1s*;
1.5	14	16.2	17.6	A: 2; B: 2s;
1.5	19	16.2	20.5	A: 2*; B: 2s*;
1.5	24	21.7	22.4	A: 3; B: 3s;
1.5	27	20.0	22.9	A: 2*; B: 2L*;
1.5	30	23.7	23.9	A: 3; B: 3L;
1.5	37	22.3	26.7	A: 3*; B: 3s*;
2.5	2	8.5	9.0	A: 0; B: 0s;
2.5	3	9.2	10.0	A: 0; B: 0s;
2.5	4	9.9	10.6	A: 0; B: 0s*;
2.5	5	11.5	13.0	A: 0*; B: 0L*;
2.5	7	11.0	13.0	A: 0*; B: 0L*;
2.5	8	12.0	13.0	A: 0*; B: 0L*;
2.5	10	16.0	16.6	A: 2; B: 2s;
2.5	12	16.3	18.1	A: 2; B: 2s*;
2.5	14	18.0	19.0	A: 2; B: 2s*;
2.5	19	19.9	21.4	A: 2*; B: 2L*;
2.5	24	24.7	25.1	A: 3; B: 3L;
2.5	27	24.0	25.7	A: 3; B: 3L;
2.5	30	26.0	26.6	A: 3*; B: 3L*;
2.5	37	26.9	29.4	A: 4; B: 4s;
4	2	9.4	11.0	A: 0; B: 0s*;
4	3	10.0	11.5	A: 0; B: 0s*;
4	4	11.0	12.5	A: 0; B: 0L;
4	5	13.0	14.5	A: 1; B: 1s*;
4	7	12.0	15.0	A: 0*; B: 0L*;
4	8	17.3	18.1	A: 2; B: 2s*;
4	10	19.7	20.2	A: 2; B: 2L;
4	12	20.4	21.0	A: 3; B: 3s;
4	14	22.0	22.8	A: 3; B: 3s;
4	19	24.9	25.0	A: 3; B: 3L;
6	2	10.5	12.0	A: 0; B: 0L;
6	3	11.2	13.0	A: 0*; B: 0L*;
6	4	12.3	14.0	A: 0*; B: 0L*;
6	5	14.5	16.0	A: 1*; B: 1L*;
6	7	13.5	17.5	A: 1*; B: 1s*;

*:- Note: These gland sizes may be one size up, please measure actual cable size and compare with the min/max sizes in the appropriate glands group.

Cable Size (mm ²)	Nº Cores	Steel Wire Armouring (SWA)		
		Approx. Min cable bedding Ø	Approx. Max cable bedding Ø	Suitable Gland Group (A,B,C,...) & Size (0s,1,2,...)
10	2	12.3	13.5	A: 0*; B: 0L*;
10	3	13.1	20.7	A: 1*; B: 1s*;
10	4	14.5	16.4	A: 1*; B: 1L*;
10	5	17.2	19.0	A: 2; B: 2s*;
10	7	15.0	20.0	A: 2; B: 1L*;
16	2	14.3	15.5	A: 1; B: 1L;
16	3	15.3	22.8	A: 1*; B: 1L*;
16	4	17.0	19.8	A: 2; B: 2s*;
16	5	20.0	21.5	A: 2*; B: 2L*;
16	7	18.1	18.5	A: 2; B: 2L*;
25	2	14.0	14.7	A: 1; B: 1s*;
25	3	17.7	24.9	A: 2*; B: 2s*;
25	4	20.6	21.5	A: 3; B: 3s;
25	5	24.7	26.5	A: 3*; B: 3L*;
25	7	21.0	21.5	A: 3; B: 3s;
35	2	16.0	16.8	A: 2; B: 2s;
35	3	19.3	21.3	A: 2*; B: 2L*;
35	4	21.9	24.0	A: 3; B: 3s*;
35	5	27.8	29.5	A: 4; B: 4s;
50	2	18.0	19.0	A: 2; B: 2s*;
50	3	21.7	24.2	A: 3; B: 3s*;
50	4	25.0	28.1	A: 3*; B: 3L*;
50	5	31.8	32.4	A: 4; B: 4L;
70	2	21.0	22.0	A: 3; B: 3s;
70	3	24.7	27.0	A: 3*; B: 3L*;
70	4	29.2	31.5	A: 4; B: 4s*;
95	2	24.7	25.1	A: 3; B: 3L;
95	3	28.6	31.1	A: 4; B: 4s*;
95	4	33.3	36.0	A: 4*; B: 4L*;
95	5	42.0	43.0	A: 5; B: 5L;
120	2	27.2	27.9	A: 4; B: 4s;
120	3	31.0	33.5	A: 4; B: 4L;
120	4	35.4	40.0	A: 5; B: 5s*;
150	2	29.5	30.9	A: 4; B: 4s*;
150	3	33.9	37.0	A: 4*; B: 4L*;
150	4	39.3	44.0	A: 5*; B: 5L*;
185	2	37.0	37.8	A: 5; B: 5s;
185	3	37.8	42.0	A: 5; B: 5s*;
185	4	44.5	49.0	A: 6; B: 6s;
240	2	41.8	42.6	A: 5; B: 5L;
240	3	42.6	47.0	A: 5*; B: 5L*;
240	4	50.0	55.0	A: 6; B: 6L;
300	2	49.0	49.8	A: 6; B: 6s*;
300	3	49.8	52.0	A: 6; B: 6L;
300	4	58.0	61.0	A: 7;
400	2	61.0	63.0	A: 7;
400	3	62.5	64.0	A: 7;
400	4	64.0	68.0	A: 7*;
400+	Measure Actual Cable Diameter			A: 8*

*:- Note: These gland sizes may be one size up, please measure actual cable size and compare with the min/max sizes in the appropriate glands group.

GROUP A	Applicable to: Std/Adjustable Gland, Zed SWA Gland, Ultra Gland, Envirogland SWA (Black/Green), Exe SWA Gland, #Flameproof Tech SWA, Ezee-fit Built-in SWA Gland, Aluminium Alloy Built-in SWA Gland			
	Cable (Bedding/Lead Sheath) Diameter			
Gland Size	min	max	min	max
	All		# only	
00	6.5	8.5		
0s	6.5	8.5		
0	8.5	12.6		
1	12.6	15.7	12.6	14.7
2	15.7	20.4	14.7	20.4
3	20.4	26.3		
4	26.3	34.7		
5	34.7	43.3		
6s			43.3	49.3
6	43.3	55.8		
6L			49.3	55.8
7	55.8	67.5		
8	67.5	73.8		

GROUP B	Applicable to: Flameproof SWA Gland	
	Cable Bedding Diameter	
Gland Size	min	max
0s	8.0	10.2
0L	10.2	12.6
1s	12.6	14.2
1L	14.2	15.7
2s	15.7	18.0
2L	18.3	20.4
3s	20.4	23.4
3L	23.4	26.4
4s	26.4	30.6
4L	30.6	34.8
5s	34.8	39.1
5L	39.1	43.5
6s	43.5	49.7
6L	49.7	56.0

GROUP H	Applicable to: HV Tape Armoured Municipal & Petro Glands (Lead Sheath SWA Cables only)			
	Gland Size	Lead Bedding Diam		Approx. Suitable Cables (#C x mm ²)
		min	max	
5		36.0	44.5	3C x 35/50/70
6		44.5	55.0	3C x 95/120/150
7		55.0	63.0	3C x 185/240

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PRATLEY[®] SIZE SELECTION CHART FOR CIRCULAR UNARMoured CABLE

Cable Size (mm ²)	N ^o Cores	UNARMoured		
		Approx. Min cable bedding Ø	Approx. Max cable bedding Ø	Suitable Gland Group (A,B,C,...) & Size (0s,1,2,...)
0.5	2	5.2	6.2	C: 00/0s; E: 00/0s; F: 00/0s; G: 0xs*;
0.5	3	5.5	6.3	C: 00/0s; E: 00/0s; F: 00/0s; G: 0xs*;
0.5	4	5.7	6.0	C: 00/0s; E: 00/0s; F: 00/0s; G: 0xs;
0.75	2	6.2	6.4	C: 00/0s; E: 00/0s; F: 00/0s; G: 0s;
0.75	3	6.1	7.1	C: 00/0s; E: 00/0s; F: 00/0s; G: 0s;
0.75	4	7.2	7.8	C: 00/0s; E: 00/0s; F: 00/0s; G: 0s;
0.75	7	8.0	8.7	C: 0; D: 0s; E: 00/0s; F: 00/0s; G: 0s;
1.0	2	6.6	8.9	C: 00/0s*; D: 0s*; E: 00/0s; F: 00/0s; G: 0s;
1.0	3	7.0	9.6	C: 00/0s*; D: 0s*; E: 00/0s*; F: 0L; G: 0s*;
1.0	4	8.0	10.6	C: 0; D: 0s; E: 0; F: 0L; G: 0s*;
1.0	7	8.5	9.3	C: 0; D: 0s; E: 0; F: 0L; G: 0s;
1.5	2	7.8	10.0	C: 00/0s*; D: 0s*; E: 00/0s*; F: 0L; G: 0s*;
1.5	3	8.3	10.7	C: 0; D: 0s; E: 0; F: 0L; G: 0s*;
1.5	4	9.3	11.7	C: 0; D: 0s*; E: 0*; F: 1; G: 0s*;
1.5	5	10.0	13.0	C: 0*; D: 0s*; E: 1; F: 1; G: 0L*;
1.5	7	10.9	15.4	C: 0*; D: 0s*; E: 0*; F: 0L*; G: 0L*;
1.5	8	15.4	15.8	C: 2; D: 2s; E: 2; F: 2; G: 1*;
1.5	10	15.8	19.4	C: 2; D: 2s*; E: 2; F: 2*; G: 2;
1.5	12	19.5	20.1	C: 2; D: 2L*; E: 3; G: 2;
1.5	14	20.1	22.0	C: 2*; D: 3s; E: 3; G: 2*;
1.5	19	23.1	23.6	C: 3; D: 3L; E: 3; G: 3;
1.5	24	27.0	27.5	C: 4; D: 4s; E: 4; G: 4;
1.5	27	27.5	30.0	C: 4; D: 4s; E: 4; G: 4;
1.5	30	30.0	30.5	C: 4; D: 4s*; E: 4; G: 4;
1.5	37	30.6	31.5	C: 4; D: 4L; E: 4; G: 4;
2.5	2	9.6	11.7	C: 0; D: 0s*; E: 0*; F: 1; G: 0L;
2.5	3	10.3	12.5	C: 0; D: 0s*; E: 1; F: 1; G: 0L;
2.5	4	11.9	13.8	C: 1; D: 0L*; E: 1; F: 1*; G: 0L*;
2.5	5	12.2	15.3	C: 1; D: 0L*; E: 1*; F: 1*; G: 0L*;
2.5	7	13.2	17.8	C: 1*; D: 0L*; E: 1*; F: 2; G: 1*;
2.5	8	17.8	19.0	C: 2; D: 2L; E: 2; F: 2; G: 2;
2.5	10	19.1	23.0	C: 2*; D: 2L*; E: 3; F: 2*; G: 2*;
2.5	12	23.1	23.3	C: 3; D: 3L; E: 3; G: 3;
2.5	14	23.3	26.8	C: 3*; D: 3L*; E: 3*; G: 3*;
2.5	19	26.9	27.5	C: 4; D: 4s; E: 4; G: 4;
2.5	24	31.8	32.4	C: 4; D: 4L; E: 4; G: 4;
2.5	27	32.4	33.0	C: 4; D: 4L; E: 4; G: 4;
2.5	30	33.0	36.0	C: 4*; D: 4L*; E: 4*; G: 4*;
2.5	37	36.8	37.2	C: 5; D: 5s; E: 5;
4	2	11.0	13.6	C: 0*; D: 0L*; E: 1; F: 0L*; G: 0L*;
4	3	11.4	14.6	C: 0*; D: 0L*; E: 1; F: 1*; G: 0L*;
4	4	13.5	16.1	C: 1*; D: 0L*; E: 1*; F: 2; G: 1*;
4	5	14.1	18.1	C: 1*; D: 1*; E: 2; F: 2; G: 1*;
4	7	20.5	20.9	C: 3; D: 3s; E: 3; G: 3;
4	8	20.8	21.2	C: 3; D: 3s; E: 3; G: 3;
4	10	21.2	26.3	C: 3; D: 3s*; E: 3; G: 3;
4	12	27.0	27.8	C: 4; D: 4s; E: 4; G: 4;
4	14	27.5	28.0	C: 4; D: 4s; E: 4; G: 4;
4	19	28.0	28.5	C: 4; D: 4s; E: 4; G: 4;

*:- Note: These gland sizes may be one size up, please measure actual cable size and compare with the min/max sizes in the appropriate glands group.

Cable Size (mm ²)	N ^o Cores	UNARMoured		
		Approx. Min cable bedding Ø	Approx. Max cable bedding Ø	Suitable Gland Group (A,B,C,...) & Size (0s,1,2,...)
6	2	14.8	15.1	C: 1; D: 2s; E: 2; F: 2; G: 1;
6	3	15.0	16.2	C: 2; D: 2s; E: 2; F: 2; G: 1*;
6	4	16.7	18.0	C: 2; D: 2s*; E: 2; F: 2; G: 2;
6	5	20.1	20.1	C: 2; D: 3s; E: 3; G: 2;
6	7	20.0	20.4	C: 2; D: 2L*; E: 3; G: 2;
10	2	20.3	20.3	C: 2; D: 3s; E: 3; G: 2;
10	3	21.0	21.8	C: 3; D: 3s; E: 3; G: 3;
10	4	20.0	23.8	C: 2*; D: 2L*; E: 3; G: 2*;
10	5	25.7	26.2	C: 3; D: 3L; E: 3; G: 3;
10	7	23.2	23.4	C: 3; D: 3L; E: 3; G: 3;
16	2	22.0	22.6	C: 3; D: 3s; E: 3; G: 3;
16	3	23.8	24.2	C: 3; D: 3L; E: 3; G: 3;
16	4	23.0	26.4	C: 3*; D: 3s*; E: 3; G: 3*;
16	5	28.8	29.5	C: 4; D: 4s; E: 4; G: 4;
25	2	27.0	27.7	C: 4; D: 4s; E: 4; G: 4;
25	3	29.0	29.7	C: 4; D: 4s; E: 4; G: 4;
25	4	26.2	32.9	C: 3*; D: 3L*; E: 4; G: 3*;
25	5	31.0	31.7	C: 4; D: 4L; E: 4; G: 4;
35	2	32.5	33.0	C: 4; D: 4L; E: 4; G: 4;
35	3	33.0	33.6	C: 4; D: 4L; E: 4; G: 4;
35	4	31.8	32.3	C: 4; D: 4L; E: 4; G: 4;
35	5	32.3	33.0	C: 4; D: 4L; E: 4; G: 4;
50	2	38.0	39.0	C: 5; D: 5s*; E: 5;
50	3	39.0	39.5	C: 5; D: 5L; E: 5;
50	4	43.3	43.6	C: 6; D: 6s; E: 5;
50	5	43.0	44.0	C: 5*; D: 5L*; E: 5;
70	2	41.0	42.0	C: 5; D: 5L; E: 5;
70	3	42.0	42.9	C: 5; D: 5L; E: 5;
70	4	47.0	47.6	C: 6; D: 6s; E: 6;
95	2	49.5	49.8	C: 6; D: 6L; E: 6;
95	3	49.5	50.1	C: 6; D: 6L; E: 6;
95	4	55.8	56.0	C: 7s; E: 7;
120	2	53.0	53.5	C: 6; D: 6L; E: 6;
120	3	53.5	54.0	C: 6; D: 6L; E: 6;
120	4	59.0	59.9	C: 7; E: 7;
150	2	58.0	59.0	C: 7; E: 7;
150	3	59.0	59.5	C: 7; E: 7;
150	4	65.5	66.3	C: 7; E: 7;
185	2	66.0	66.8	C: 7; E: 7;
185	3	66.8	67.3	C: 7; E: 7;
185	4	73.0	73.8	C: 8; E: 8;
240	2	72.0	73.0	C: 8; E: 8;
240	3	73.0	76.6	C: 8*; E: 8*;
240+	Measure Actual Cable Diameter			C: 8*; E: 8*;

*:- Note: These gland sizes may be one size up, please measure actual cable size and compare with the min/max sizes in the appropriate glands group.

GROUP C	Applicable to: Enviro Comp Flameproof Ttech Gland, Enviro Comp Ex e Green Ttech Gland, #Flameproof Ttech Unarmoured Gland #Flameproof Ttech Unarmoured Hose-tail Gland			
	Gland Size			
	Cable Outside Diameter		# Only	
	min	max	min	max
00xs			3.0	6.0
00	3.0	8.5	4.5	8.5
0xs			3.0	6.0
0s	3.0	8.5	4.5	8.5
0	8.0	12.6	8.5	12.6
1	11.5	15.7	12.6	14.7
2	15.7	20.4	14.7	20.4
3	20.4	26.3		
4	26.3	34.7		
5	34.7	43.3		
6s			43.3	49.3
6 / 6L	43.3	55.9	49.3	55.9
7s			55.8	61.7
7 / 7L	55.9	67.5	61.7	67.5
8			67.5	73.8

GROUP D	Applicable to: Flameproof Unarmoured Gland, Flameproof Unarmoured Hosetail Comp	
	Gland Size	
	Cable Outer Diameter	
	min	max
0s	8.0	10.9
0L	11.0	13.5
1	13.6	14.5
2s	14.6	17.5
2L	17.6	20.0
3s	20.1	23.0
3L	23.1	26.2
4s	26.3	30.1
4L	30.2	34.0
5s	34.1	38.7
5L	38.8	43.2
6s	43.3	49.3
6L	49.4	55.5

GROUP E	Applicable to: Brass Compression Ttech Gland, Ex e Compression Ttech Gland, #ZED Comp			
	Gland Size			
	Cable Outside Diameter		# only	
	min	max	min	max
00s	3.0	5.0		
00	4.5	9.2		
0xs	3.0	5.0		
0s	4.5	9.2	6.5	9.2
0	8.0	11.1		
1	10.0	14.7		
2	14.0	19.9		
3	19.0	26.7	19.9	26.5
4	26.0	35.0		
5	34.0	44.0	35.0	44.0
6	43.4	55.8		
7	55.8	67.5		
8	67.5	73.8		

GROUP F	Applicable to: Tufflon Unarmoured Gland	
Gland Size	Cable Outer Diameter	
	min	max
00	4.0	9.0
0xs	3.0	6.0
0s	4.0	9.0
0L	6.5	11.0
1	8.5	13.0
2	13.0	19.2

GROUP G	Applicable to: Ezee-fit Box Comp. Conv. Kits, #Aluminium Alloy Box Comp. Conv. Kits			
	Gland Size			
	Cable Outside Diameter		# only	
	min	max	min	max
0xs	3.0	6.0		
0s	6.0	9.4		
0L	9.5	12.6		
1RxS	3.0	6.0		
1s			12.7	14.3
1 / 1L	12.7	15.7	14.4	15.7
2s			15.8	17.3
2 / 2L	15.8	20.4	17.4	20.4
3	20.5	26.3		
4	26.3	34.7		