

Technical Data - Cord Grips & Accessories

Torque Values for Polyamide 6 Cable Glands

Cable Gland Plastic (NPT)	CAP BODY LOCK NUT			Body to Enclosure or locknut to body* (Min Torque Value to Ensure Declared IP rate)		Locknut thickness
	Cable Range (mm)	Recommended tightening torque		Recommended tightening torque		Height (mm)
		Nm	Tolerance	Nm	Tolerance	
NPT 3/8"	5 - 10	2.5	± 0.5	1.0	± 0.5	7.0
NPT 1/2"	6 - 12	5.0	± 0.5	2.0	± 0.5	7.0
NPT 1/2"	10 - 14	5.5	± 0.5	2.0	± 0.5	7.0
NPT 3/4"	13 - 18	9.0	± 0.5	3.0	± 0.5	7.0
NPT 1"	18 - 25	9.5	± 0.5	4.0	± 1.0	7.0

Cable Gland Plastic (Metric)	CAP BODY LOCK NUT			Body to Enclosure or locknut to body* (Min Torque Value to Ensure Declared IP rate)		Locknut thickness
	Cable Range (mm)	Recommended tightening torque		Recommended tightening torque		Height (mm)
		Nm	Tolerance	Nm	Tolerance	
M12 X 1.5	3 - 6.5	2.0	± 0.5	2.0	± 0.5	5.0
M16 x 1.5	4 - 10	2.5	± 0.5	2.5	± 0.5	5.0
M16 x 1.5	5 - 10	2.5	± 0.5	2.5	± 0.5	5.0
M20 x 1.5	6 - 12	4.0	± 0.5	3.5	± 1.0	6.0
M20 x 1.5	10 - 14	5.5	± 0.5	3.5	± 1.0	6.0
M25 x 1.5	13 - 18	9.0	± 1.0	3.5	± 1.0	6.0
M32 x 1.5	18 - 25	10.0	± 1.0	5.0	± 1.5	7.0
M40 x 1.5	22 - 32	20.0	± 1.5	5.0	± 1.5	7.0
M50 x 1.5	30 - 38	20.0	± 2.0	8.0	± 1.5	8.0
M63 x 1.5	34 - 44	20.0	± 2.5	12.0	± 1.5	8.0

Cable Gland Plastic (PG)	CAP BODY LOCK NUT			Body to Enclosure or locknut to body* (Min Torque Value to Ensure Declared IP rate)		Locknut thickness
	Cable Range (mm)	Recommended tightening torque		Recommended tightening torque		Height (mm)
		Nm	Tolerance	Nm	Tolerance	
PG 7	3 - 6.5	2.0	± 0.5	1.5	± 0.3	5.0
PG 9	4 - 8	2.0	± 0.5	1.5	± 0.3	5.0
PG 11	5 - 10	2.5	± 0.5	2.0	± 0.5	5.0
PG 13.5	6 - 12	4.0	± 0.5	3.0	± 0.5	6.0
PG 16	10 - 14	5.5	± 0.5	3.5	± 1.0	6.0
PG 21	13 - 18	9.0	± 0.5	4.0	± 1.0	7.0
PG 29	18 - 25	7.7	± 0.5	9.0	± 1.5	7.0
PG 36	22 - 32	16.0	± 0.5	11.0	± 1.5	8.0
PG 42	30 - 38	20.0	± 1.0	14.0	± 2.0	8.0
PG 48	34 - 44	20.0	± 1.0	14.0	± 2.0	8.0

* When locknut is used, the screwing length must be at 1.5 times the locknut thickness.

**When a threaded enclosure is used, the wall thickness must be at least equal to the locknut thickness