

LUTZE Technical Overview

Torque Recommendations for LUTZE Cable Fittings - Plastic and Metal Dome Nuts

Nominal Size	Recommended Torque in Nm	
	Plastic	Metal
NPT 3/8"	2.5	4.5
NPT 1/2"	3.0	5
NPT 3/4"	5.0	7.0
NPT 1"	5.0	7.0
PG7	2.5	6.25
PG9	3.75	6.25
PG11	3.75	6.25
PG13.5	3.75	6.25
PG16	5.0	7.5
PG21	7.5	10.0
PG29	7.5	10.0
PG36	7.5	10.0
PG42	7.5	10.0
PG48	7.5	10.0
M12x1.5	1.0	5
M16x1.5	2.5	5
M20x1.5	4.0	7.5
M25x1.5	6.0	10
M32x1.5	7.0	15
M40x1.5	7.5	18
M50x1.5	8.0	20
M63x1.5	9.0	20

Torque Recommendations for LUTZE Cable Fittings – EMC2 Style

Nominal Size	Recommended Torque in Nm	
	Body (Dome Nut)	locknut
NPT 3/8"	6.5	-
NPT 1/2"	8.0	-
NPT 3/4"	16.0	-
NPT 1"	22.0	-
M12x1.5	5.5	3
M16x1.5	6.5	4
M20x1.5	8.0	5.5
M25x1.5	16.0	6
M32x1.5	22.0	6
M40x1.5	42.0	12
M50x1.5	42.0	18
M63x1.5	43.0	25

Torque Recommendations for LUTZE Cable Fittings – CEX Style

Nominal Size	Recommended Torque in Nm			Recommended Torque in Nm locknut
	Body (Dome Nut)			
	3 seal rings	2 seal rings	1 seal ring	
NPT 2"	190 ± 3	125 ± 3	140 ± 3	-
NPT 2 1/2"	130 ± 3	125 ± 3	120 ± 3	-
NPT 3"	123 ± 3	115 ± 3	107 ± 3	-
M63x1.5	190 ± 3	125 ± 3	140 ± 3	25 ± 2.5
M75x1.5	130 ± 3	125 ± 3	120 ± 3	30 ± 2.5
M90x1.5	123 ± 3	115 ± 3	107 ± 3	35 ± 2.5

The specified values are recommended for achieving the protection class IP68 at 5 bar. Please choose the suitable torque for the material and cable application. The actual crush resistance of each cable must be considered and you may have to significantly reduce the torque. The values shown are for reference only.