Cable glands for MC-HL and Teck90-HL armoured cables

For use in Class/Division Hazardous Locations – "UL/CSA Listed"

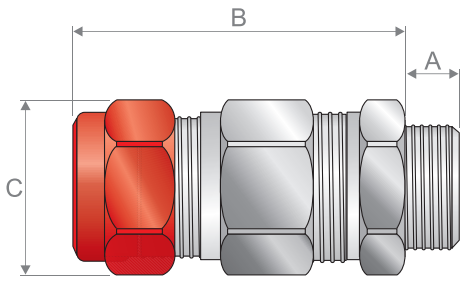
Use

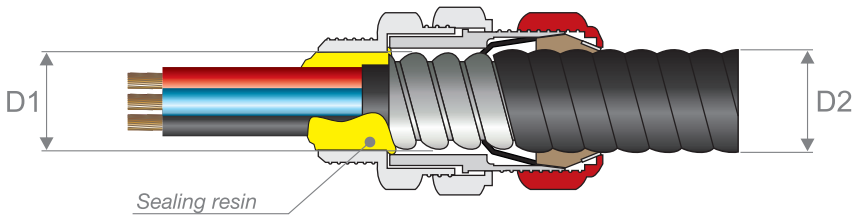
These cable glands are used to connect type MC-HL and Teck 90-HL armored cables and are suitable for use in locations Class I, Division 1, Hazardous Locations. Their construction permits the earthing of the cable armor and either vertical and horizontal installation. They are supplied complete with sealing compound.

Technical data

Characteristics	Value/property
Material	Aluminum (as standard product) or brass
Grounding continuity	Stainless steel copper-plated spring provides grounding continuity of cable armour (MC cables)
Sealing type	Explosion proof, compound sealing on conductors and watertight seal on outer sheath of cable.
Temperature range	-25°C, +60°C
Protection class	NEMA 4, IP 56
Standards of use	NPFA 70 (NEC), NFPA 79, UL 508a CSA C22.1 (CE Code), CSA C22.2 N.301, CSA C22.2 N.286

Coding and dimensions



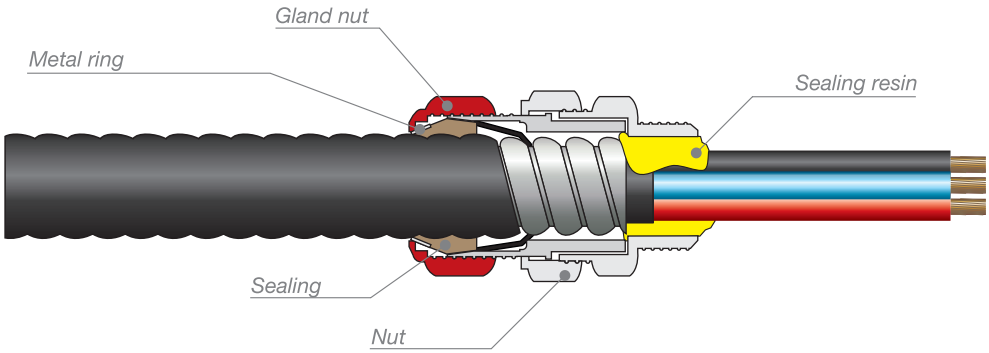


Code	Version	Thread	Dimensions [mm]			Min/max external armor diameter D1		Min/max jacket diameter D2		Quantity of resin [g]
			A	B	C	[inch]	[mm]	[inch]	[mm]	
ANTMCX050□□	NPT	1/2"	19,1	66,7	34,9	0,440÷0,650	11,2÷16,5	0,490÷0,781	12,4÷19,8	7
ANTMCX075□□	NPT	3/4"	19,8	73,0	41,3	0,600÷0,850	15,2÷21,6	0,650÷1,000	16,5÷25,4	14
ANTMCX100□□	NPT	1"	23,8	79,4	50,8	0,800÷1,120	20,3÷28,4	0,850÷1,313	21,6÷33,4	20
ANTMCX125□□	NPT	1"1/4	24,6	79,4	61,9	1,100÷1,400	27,9÷35,6	1,150÷1,625	29,2÷41,3	43
ANTMCX150□□	NPT	1"1/2	24,6	85,7	69,9	1,330÷1,610	33,8÷40,9	1,380÷1,781	35,1÷45,2	52
ANTMCX200□□	NPT	2"	25,4	135,0	88,9	1,570÷2,060	39,9÷52,3	1,630÷2,313	41,4÷58,8	128
ANTMCX250□□	NPT	2"1/2	36,5	154,0	101,6	1,930÷2,470	49,0÷62,7	1,990÷2,719	50,5÷69,1	245
ANTMCX300□□	NPT	3"	36,5	154,0	123,8	2,450÷3,020	62,2÷76,7	2,525÷3,281	64,1÷83,3	447
ANTMCX350□□	NPT	3"1/2	41,3	196,9	136,5	2,950÷3,520	74,9÷89,4	3,025÷3,781	76,8÷96,0	724
ANTMCX400□□	NPT	4"	41,3	211,2	149,2	3,500÷4,020	88,9÷102,1	3,585÷4,281	91,1÷108,7	1.104

Code composition

ANTMCX... □□

Fitting material	To be inserted
Aluminium	A
Brass	NB

Mounting

Fittings for MC-HL and Teck90-HL cables guarantee an optimal sealing thanks to a sealing resin which is wound round the cord and round the single conductors during the installation. The anchoring of the fitting to the armor is carried out by means of a metal ring which blocks it mechanically, while the sealing on the external jacket of the cable is obtained through a seal inside the gland nut. The following table is a cross-reference permitting to find out the code of the fitting according to the type of cable to be used.