A2EC-FL

A2EC-FL CABLE GLAND FOR ROLLING STOCK WITH HEAVY DUTY CABLE CLAMP

FOR ALL TYPES OF UNARMOURED CABLES WITH PRE-INSTALLED LUGS

- Designed for cables with pre-installed lugs
- Allows cable to pass through the gland without any disassembly
- Approved to ACM Standard NF F 61-030
- Approved to EN 45545-2:2013+A1:2015 R22, R23 (HL1, 2 & 3)
  - For use on rail / rolling stock applications
- Provides superior pull and bend resistance on cable
- Eliminates twisting and torquing of the cable
- High quality durable materials
- Robust, heavy duty design
- Displacement type sealing system with UL94 V0 clamp
- -60˚C to +130˚C
- Supplied in nickel plated brass with metric threads, PG threads available

IP66 IP67 IP68

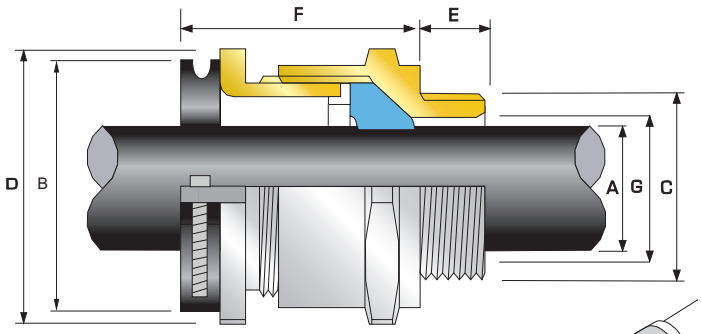
HL3 EN 45545

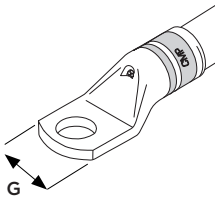
+130˚C -60˚C

TECHNICAL CLASSIFICATION	
DESIGN SPECIFICATION	IEC 62444: 2010 Ed 1, EN 45545-2: 2013 + A1: 2015, NF F 61-030: 1992, BS EN 61373: 2010 & NFC93400 (IEC 60512-17-4)
MECHANICAL CLASSIFICATION*	Impact = Level 7 Cable Anchorage = Class B (with clamp)
ENCLOSURE PROTECTION	IK09 to IEC 62262 (10 joules) Brass & Stainless Steel only
FIRE PROTECTION ON RAILWAY VEHICLES; COMPLIANCE STANDARD	EN45545-2:2013 + A1:2015 R22, R23 (HL1, HL2 and HL3 Hazard Levels)
INGRESS PROTECTION RATING**	IP66, IP67 & IP68***

CABLE GLAND MATERIAL	Brass, Electroless Nickel Plated Brass, Stainless Steel, Aluminium (Polyamide clamp)
CABLE TYPE	Unarmoured with pre-crimped lug
SEAL MATERIAL	CMP LSF0H Thermoset Rubber
SEALING TECHNIQUE	CMP Unique Displacement Seal Concept
SEALING AREA(S)	Cable Outer Sheath

CE





* Mechanical & Electrical Classifications applied as per IEC 62444 & EN 62444
** When CMP installation accessories are used. Refer to www.cmp-products.com for further information.
*** IP68 test durations can be provided upon request

PRODUCT SELECTION TABLE WITH STANDARD ENTRY THREADS

COMBINED ORDERING REFERENCE (NICKEL PLATED BRASS, METRIC THREADS)			AVAILABLE ENTRY THREADS 'C'			OVERALL CABLE DIAMETER 'A'		LUG WIDTH* 'G'	ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	CABLE GLAND WEIGHT (kgs)
SIZE	TYPE	ORDERING SUFFIX	METRIC	STANDARD THREAD LENGTH 'E'	**SHORT THREAD LENGTH 'E'	MIN	MAX	MAX	MAX	MAX		
2520	A2EC-FL	IRA501A	M12	15.0	8.0	5.0	8.0	8.0	36.0	39.6	37.0	0.27
2520	A2EC-FL	IRA501	M16	15.0	8.0	5.0	9.5	9.5	36.0	39.6	37.0	0.26
2520	A2EC-FL	IRA502	M20	15.0	8.0	5.0	14.0	14.0	36.0	39.6	37.0	0.25
2520	A2EC-FL	IRA5	M25	15.0	8.0	5.0	14.0	20.0	36.0	39.6	37.0	0.25
3225	A2EC-FL	IRA503	M25	15.0	9.0	12.0	20.0	20.0	41.0	45.1	37.0	0.28
3225	A2EC-FL	IRA5	M32	15.0	9.0	12.0	20.0	27.5	41.0	45.1	37.0	0.27
4032S	A2EC-FL	IRA504	M32	15.0	9.0	15.0	23.8	27.5	50.0	55.0	37.0	0.33
4032	A2EC-FL	IRA504	M32	15.0	9.0	18.0	26.3	27.5	50.0	55.0	37.0	0.33
4032S	A2EC-FL	IRA5	M40	15.0	9.0	15.0	23.8	31.5	50.0	55.0	37.0	0.32
4032	A2EC-FL	IRA5	M40	15.0	9.0	18.0	26.3	34.0	50.0	55.0	37.0	0.32
5040S	A2EC-FL	IRA5	M50	15.0	10.0	19.8	29.0	40.8	60.0	66.0	37.5	0.43
5040	A2EC-FL	IRA5	M50	15.0	10.0	23.0	32.2	44.1	60.0	66.0	37.5	0.42
5040	A2EC-FL	IRA507	M63	15.0	10.0	23.0	32.2	44.1	70.0	77.0	37.5	0.41
5040L	A2EC-FL	IRA5	M50	15.0	10.0	26.0	35.0	44.1	60.0	66.0	37.5	0.42
5040XL	A2EC-FL	IRA5	M50	15.0	10.0	32.5	40.0	44.1	60.0	66.0	37.5	0.42

Dimensions are displayed in millimetres unless otherwise stated

* Maximum cable lug to fit through bore of cable gland
**For short thread lengths add the suffix '/S' after the 'IRA5'
For alternate entry thread sizes, contact CMP.

PRODUCT SELECTION TABLE WITH ALTERNATIVE ENTRY THREADS

COMBINED ORDERING REFERENCE (NICKEL PLATED BRASS, METRIC THREADS)			AVAILABLE ENTRY THREADS 'C'			OVERALL CABLE DIAMETER 'A'		LUG WIDTH* 'G'	ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'F'	CABLE GLAND WEIGHT (kgs)
SIZE	TYPE	ORDERING SUFFIX	PG	STANDARD THREAD LENGTH 'E'	**SHORT THREAD LENGTH 'E'	MIN	MAX	MAX	MAX	MAX		
2520	A2EC-FL	IRA525	PG21	15.0	8.0	5.0	14.0	20.0	36.0	39.6	37.0	0.26

Dimensions are displayed in millimetres unless otherwise stated