



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.

TA20269M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT: CCG Cable Terminations Ltd, North Yorkshire, England
MANUFACTURER: CCG Cable Terminations Ltd, Kempton Park, South Africa
PRODUCT: Compression cable gland for unarmoured cable
TYPE NO.: A2F
TYPE TEST NO.: 20T603
PARTICULARS: See the attached sheet
STANDARD: IEC60079-0(2017), IEC60079-1(2014), IEC60079-7(2015),
IEC60079-15(2010), IEC60079-31(2013)
DOCUMENTATION: IECEx CML 18.0018X, 0541-ASSY

THIS IS TO CERTIFY that the above mentioned product has been approved by the NIPPON KAIJI KYOKAI in accordance with the Society's type test requirements for electrical equipment and cables.

This certificate is valid until 31 May 2025.

Issued at Tokyo on 1 June 2020.



T. Shimada
General Manager
Machinery Department

PARTICULARS:

Type: A2F
 Gland material: Brass (Marine Grade™ electroless nickel plated), stainless steel 316/316L
 Seal material: Standard thermoset elastomer or extreme temperature seals
 Cable type: Unarmoured
 Sealing area: Outer sheath
 Optional accessories: Adaptor, reducer, earth tag, locknut, serrated washer and shroud
 Note: The installer is to ensure that the materials are suitable for the installation environment. And manufacturer's application and assembly instructions are to be followed.

Protection levels: IEC Ex: Ex db IIC Gb, Ex eb IIC Gb, Ex nR IIC Gc, Ex tb IIC Db
 Operating temp.: Standard seals: -60°C to +95°C/100°C (HDPE/Nylon sealing gasket)
 (continuous) Extreme temp. seals: -60°C to +160°C (PTFE)

Conditions for safe: • The cable glands shall only be used where the temperature, at the point of entry, is between -60°C and +95°C (standard seal & HDPE sealing gasket), +100°C (standard seal and Nylon sealing gasket) or +160°C (extreme temp. seal & PTFE sealing gasket) depending on seal and gasket used.
 • The cable glands may only be used on fixed installations where the cable is clamped or stress applied to the cable in the gland is prevented.
 • According to IEC 60079-14, 10.6.2: An Ex d gland will only maintain Ex d integrity when used with substantially round, compact and filled cable. If not a CCG QuickStop-Ex™ barrier gland should be used.

Product code	Gland size reference	Metric entry thread		NPT entry thread		Cable detail		Maximum length 'E'	Hexagonal detail		Installation Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Min 'B'	Max 'B'		Max 'Flats'	Max 'Crms'	
054100-16	00-16ss	M16x1.5	15	-	-	3.0	8.5	25.0	24.0	27.0	32.5
054100	00-20ss	M20x1.5	15	1/2/3/4	15	3.0	8.5	25.0	24.0	27.0	32.5
0541-0	0-20s	M20x1.5	15	1/2/3/4	15	7.0	12.0	25.0	24.0	27.0	32.5
054101	1-20	M20x1.5	15	1/2/3/4	15	11.0	15.0	30.0	27.0	30.0	32.5
054122	2s-25s	M25x1.5	15	3/4/1	15/19	11.5	17.5	30.0	35.0	39.0	47.5
054102	2-25	M25x1.5	15	3/4/1	15/19	15.0	20.0	30.0	35.0	39.0	47.5
054133	3s-32s	M32x1.5	15	1/1*1/4	19	16.0	22.0	30.0	42.0	47.0	55.0
054103	3-32	M32x1.5	15	1/1*1/4	19	20.0	26.5	30.0	42.0	47.0	55.0
054144	4s-40s	M40x1.5	15	1*1/4/1*1/2	19/21	22.0	31.5	38.0	52.0	59.0	65.0
054104	4-40	M40x1.5	15	1*1/4/1*1/2	19/21	26.0	34.0	38.0	52.0	59.0	65.0
054155	5s-50s	M50x1.5	15	1*1/2/2	21	29.0	38.0	46.0	65.0	73.0	82.5
054105	5-50	M50x1.5	15	1*1/2/2	21	34.0	44.5	46.0	65.0	73.0	82.5
054166	6s-63s	M63x1.5	15	2/2*1/2	21/30	38.0	50.0	52.0	80.0	90.0	97.5
054106	6-63	M63x1.5	15	2/2*1/2	21/30	44.5	56.5	52.0	80.0	90.0	97.5
054177	7s-75s	M75x1.5	15	2*1/2/3	30/32	50.0	62.0	54.0	96.0	108.0	115.5
054107	7-75	M75x1.5	15	2*1/2/3	30/32	56.0	67.5	54.0	96.0	108.0	115.5
054108	8-80	M80x2.0	20	3	32	54.0	69.0	68.0	96.0	108.0	120.0
054199	9s-90s	M90x2.0	20	3/3*1/2	32/33	60.0	75.0	70.0	111.0	125.0	120.0
054109	9-90	M90x2.0	20	3/3*1/2	32/33	73.0	81.5	70.0	111.0	125.0	120.0
054110	10-100	M100x2.0	20	3*1/2/4	33/34	81.0	92.0	70.0	125.0	141.0	120.0
054111	11-110	M110x2.0	20	4	34	91.0	101.0	70.0	135.0	152.0	175.0
054112	12-120	M120x2.0	20	-	-	101.0	109.0	70.0	140.0	158.0	175.0
054113	13-130	M130x2.0	20	-	-	109.0	116.0	70.0	146.0	164.0	175.0

All dimensions except NPT are in mm.