



NIPPON KAIJI KYOKAI

Certificate of Type Test

Certificate No.

TA20270M

FOR EXPLOSION PROTECTED TYPE ELECTRICAL EQUIPMENT

APPLICANT: CCG Cable Terminations Ltd, North Yorkshire, England
MANUFACTURER: CCG Cable Terminations Ltd, Kempton Park, South Africa
PRODUCT: Captive component gland with deluge seal for multi armoured cable
TYPE NO.: UNITEx-D
TYPE TEST NO.: 20T604
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, 0554-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: UNITEx-D
 Gland material: Brass (Marine Grade Electroless Nickel Plated™), stainless steel 316/316L
 Seal material: Standard thermoset elastomer or extreme temperature seals
 Seal gasket material: HDPE, Nylon 66 or PTFE
 Cable type: Steel wire, aluminium, braided and tape armour
 Armour clamping: Rotating captive cone and inspectible cone ring
 Sealing area: Inner sheath, outer sheath and deluge seal
 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 IIIC 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.
 • 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'	Armour dia.		Hexagonal detail		Installation Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Corns'	
055400S-16	00s-16ss	M16x1.5	12	-	-	3.0	8.5	5.0	10.5	74.0	0.20	0.90	24.0	27.0	21.0
055400S	00s-20ss	M20x1.5	12	1/2/3/4	15	3.0	8.5	5.0	10.5	74.0	0.20	0.90	24.0	27.0	21.0
055400	00-20ss	M20x1.5	12	1/2/3/4	15	3.0	8.5	8.0	14.0	73.0	0.20	0.90	24.0	27.0	21.0
0554-0S-16	0s-16s	M16x1.5	12	-	-	7.0	12.0	8.0	14.0	70.0	0.20	1.25	24.0	27.0	21.0
0554-0S	0s-20s	M20x1.5	12	1/2/3/4	15	7.0	12.0	8.0	14.0	70.0	0.20	1.25	24.0	27.0	21.0
0554-0	0-20s	M20x1.5	12	1/2/3/4	15	7.0	12.0	11.5	16.0	70.0	0.20	1.25	24.0	27.0	21.0
055401	1-20	M20x1.5	12	1/2/3/4	15	9.0	15.0	12.5	20.5	83.0	0.20	1.25	27.0	30.0	21.0
055422	2s-25s	M25x1.5	12	3/4/1	15/19	11.0	17.5	16.0	24.5	96.0	0.20	1.60	35.0	39.0	30.0
055402	2-25	M25x1.5	12	3/4/1	15/19	14.0	20.0	18.0	27.0	96.0	0.20	1.60	35.0	39.0	30.0
055433	3s-32s	M32x1.5	12	1/1*1/4	19	15.0	22.0	20.0	30.5	111.0	0.20	2.00	42.0	47.0	42.0
055403	3-32	M32x1.5	12	1/1*1/4	19	19.0	26.5	23.0	33.5	111.0	0.20	2.00	42.0	47.0	42.0

Attached Sheet to Cert. No. TA20270M

Product code	Gland size reference	Metric entry thread		NPT entry thread		Cable detail				Maximum length 'E'	Armour dia.		Hexagonal detail		Installation Torque Value Nm
		'C'	Min 'D'	'C'	Min 'D'	Min 'A'	Max 'A'	Min 'B'	Max 'B'		Min 'F'	Max 'F'	Max 'Flats'	Max 'Corns'	
055444	4s-40s	M40x1.5	12	1*1/4 /1*1/2	19/21	22.0	31.5	26.5	39.0	112.0	0.30	2.00	52.0	59.0	52.0
055404	4-40	M40x1.5	12	1*1/4 /1*1/2	19/21	26.0	34.0	28.0	40.0	117.0	0.30	2.00	52.0	59.0	52.0
055455	5s-50s	M50x1.5	12	1*1/2 /2	21	29.0	38.0	35.2	47.5	131.0	0.40	2.50	65.0	73.0	57.0
055405	5-50	M50x1.5	12	1*1/2 /2	21	34.0	44.5	44.4	52.8	136.0	0.40	2.50	65.0	73.0	57.0
055466	6s-63s	M63x1.5	12	2/2* 1/2	21/30	38.0	50.0	45.5	60.5	148.0	0.40	2.50	80.0	90.0	66.0
055406	6-63	M63x1.5	12	2/2* 1/2	21/30	44.0	56.5	54.6	65.9	148.0	0.40	2.50	80.0	90.0	66.0
055477	7s-75s	M75x1.5	12	2*1/2 /3	30/32	50.0	62.0	59.0	72.5	174.0	0.40	3.15	96.0	108.0	72.0
055407	7-75	M75x1.5	12	2*1/2 /3	30/32	56.0	67.5	65.0	78.0	173.0	0.40	3.15	96.0	108.0	72.0
055408	8-80	M80x2.0	16	3	32	59.0	69.0	65.0	77.5	166.0	0.40	3.15	96.0	108.0	80.0
055499	9s-90s	M90x2.0	16	3/3*1 /2	32/33	66.0	75.0	73.0	86.5	185.0	0.40	3.50	111.0	125.0	89.0
055409	9-90	M90x2.0	16	3/3*1 /2	32/33	74.0	81.5	82.0	91.0	185.0	0.40	3.50	111.0	125.0	89.0
055410	10-100	M100x2.0	16	3*1/2 /4	33/34	81.0	91.0	90.0	100.0	204.0	0.40	3.50	125.0	141.0	98.0

All dimensions except NPT are in mm. Intermediate thread sizes are available on request.

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