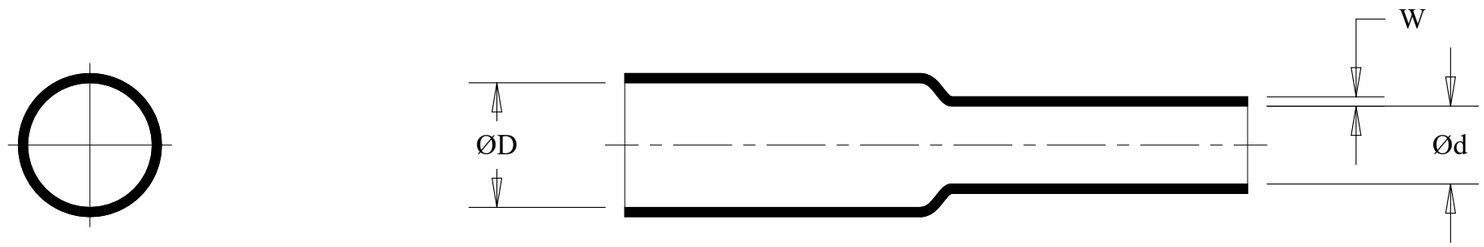
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	H	ECR-24-227418	19NOV2024	GCM	SH



1. EXTRUDED TUBING IS CROSS LINKED BY IRRADIATION AND EXPANDED

2. EXPANDED TUBING WILL RETURN TO RECOVERED SIZE UPON BEING SUBJECTED TO TEMPERATURES IN EXCESS OF 110°C

3. TUBING SHALL BE HOMOGENOUS AND ESSENTIALLY FREE FROM FLAWS, DEFECTS, PINHOLES, SEAMS, CRACKS OR INCLUSIONS

4. TUBING TO BE FABRICATED FROM MATERIALS WHICH MEET THE REQUIREMENTS OF U.S. PHARMACOPEIA CLASS V1 PLASTICS

△5 SAMPLE PREPARATION AND EXTRACTION IS PER USP XXII. METALS ANALYSIS MAY BE COLORIMETRIC AS DESCRIBED IN USP XXII OR BY EQUIVALENT QUANTITATIVE ANALYTICAL METHOD

△6 THESE PRODUCT SIZES ARE VALIDATED

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DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± –
1 PLC	± .1
2 PLC	± .01
3 PLC	± .005
4 PLC	± .0005
ANGLES	± –

MATERIAL: –

FINISH: –

DWN	GANESH C M	15JUL2021
CHK	S. HSU	15JUL2021
APVD	S. HSU	15JUL2021
PRODUCT SPEC	—	
APPLICATION SPEC	—	
WEIGHT	–	

TE Connectivity Ltd.

NAME: MT-LWA STANDARD EXPANDED TUBING PLATFORM – –

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-112-0114-00	—

CUSTOMER DRAWING | SCALE NONE | SHEET 1 OF 3 | REV H

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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

PROPERTIES

PROPERTY	UNIT	REQUIREMENT	TEST METHOD
*DIMENSIONS	INCHES (mm)	SEE CHART	
*LONGITUDINAL CHANGE	PERCENT	+0, −10 MAXIMUM	ASTM D 2671
*CONCENTRICITY AS SUPPLIED	PERCENT	70 MINIMUM (2:1 EXP RATIO) 60 MINIMUM (3:1 EXP RATIO)	ASTM D 2671
*TENSILE STRENGTH	PSI (MPa)	1500 MINIMUM (10.3)	ASTM D 2671, 20"/MINUTE
*ULTIMATE ELONGATION	PERCENT	200 MINIMUM	
*2% SECANT MODULUS (EXPANDED)	PSI (MPa)	2.5×10^4 MAXIMUM (172)	ASTM D 2671
HEAT RESISTANCE 168 HOURS AT 175°C (347°F) FOLLOWED BY TEST FOR:			ASTM D 2671, 20"/MINUTE
ULTIMATE ELONGATION	PERCENT	100 MINIMUM	
ELECTRICAL DIELECTRIC STRENGTH	VOLTS/MIL (kV/mm)	500 MINIMUM (19.7)	ASTM D 2671
DIELECTRIC WITHSTAND 3000V, 60Hz	sec	60 MINIMUM	ASTM D 2671
CHEMICAL FLUID RESISTANCE 24 HOURS AT 23±3°C (73±5°F) ISOPROPYL ALCOHOL 5% SALINE SOLUTION CIDEX** FOLLOWED BY TESTS FOR:			ASTM D 2671
DIELECTRIC STRENGTH	VOLTS/MIL (kV/mm)	400 MINIMUM (15.7)	ASTM D 2671
TENSILE STRENGTH	PSI (MPa)	1000 MINIMUM (6.9)	ASTM D 2671
HEAVY METALS ANALYSIS CADMIUM MERCURY LEAD BISMUTH ANTIMONY	PPM	1 MAXIMUM (TOTAL OF ALL METALS)	USP XXII PHYSICOCHEMICAL TESTS–PLASTIC ⚠5

*DENOTES LOT ACCEPTANCE TEST
**TRADEMARK OF JOHNSON & JOHNSON COMPANY

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MT–LWA STANDARD EXPANDED TUBING PLATFORM
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SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
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CUSTOMER DRAWING

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P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

Part Description	Part No.	(D) Minimum EID	(d) Maximum RID	Recovered Wall Thickness (W) Nominal	Recovered Wall Thickness Tolerance	Color	Extruded Tubing Part No. (Description)
MT-LWA-.032-X-SP	CM9835-000	.032 (0.81 mm)	.011 (0.28 mm)	.010 (0.25 mm)	±.002 (±0.05 mm)	Clear	CM9829-000 (MT-LWA-.032-X-WIP)
MT-LWA-.043-X-SP	CS3253-000	.043 ±.005 (1.09 ±0.13 mm)	.014 ±.002 (0.36 ±0.05 mm)	.012 (0.31 mm)	±.003 (±0.08 mm)	Clear	CS3265-000 (MT-LWA-.043-X-WIP)
MT-LWA-.047-X-SP	CM9834-000	.053 ±.006 (1.35 ±0.15 mm)	.013 ±.002 (0.33 ±0.05 mm)	.012 (0.31 mm)	±.002 (±0.05 mm)	Clear	CM9828-000 (MT-LWA-.047-X-WIP)
MT-LWA-.063-X-SP	CM9833-000	.063 (1.60 mm)	.021 (0.53 mm)	.016 (0.41 mm)	±.003 (±0.08 mm)	Clear	CM9827-000 (MT-LWA-.063-X-WIP)
MT-LWA-.070-X-SP	CZ4023-000	.070±.010 (1.78±0.25 mm)	.0145±.0015 (0.37±0.04 mm)	.020 (0.51 mm)	±.002 (±0.05 mm)	Clear	CR1886-000 (MT-LWA-NO.408-X-WIP)
MT-LWA-.071-X-SP	CS3254-000	.071 (1.80 mm)	.031 (0.79 mm)	.017 (0.43 mm)	±.004 (±0.10 mm)	Clear	CS3266-000 (MT-LWA-.071-X-WIP)
MT-LWA-.078-X-SP	CM9832-000	.078 (1.98 mm)	.025 (0.64 mm)	.016 (0.41 mm)	±.003 (±0.08 mm)	Clear	CM9826-000 (MT-LWA-.078-X-WIP)
MT-LWA-.083-X-SP	CS3255-000	.083 (2.11 mm)	.031 (0.79 mm)	.017 (0.43 mm)	±.004 (±0.10 mm)	Clear	CS3266-000 (MT-LWA-.071-X-WIP)
MT-LWA-.094-X-SP	CM9831-000	.094 (2.39 mm)	.031 (0.79 mm)	.020 (0.51 mm)	±.003 (±0.08 mm)	Clear	CM9825-000 (MT-LWA-.094-X-WIP)
MT-LWA-.110-X-SP	CM9824-000	.110 (2.79 mm)	.034 (0.86 mm)	.020 (0.51 mm)	±.003 (±0.08 mm)	Clear	CM9823-000 (MT-LWA-.110-X-WIP)
MT-LWA-.125-X-SP	CP5062-000	.125 (3.18 mm)	.042 (1.07 mm)	.020 (0.51 mm)	±.003 (±0.08 mm)	Clear	CP5074-000 (MT-LWA-.125-X-WIP)
MT-LWA-.188-X-SP	CP5063-000	.188 (4.78 mm)	.063 (1.60 mm)	.020 (0.51 mm)	±.003 (±0.08 mm)	Clear	CP5080-000 (MT-LWA-1/8-X-WIP)
MT-LWA-.250-X-SP	CP5064-000	.250 (6.35 mm)	.083 (2.11 mm)	.025 (0.64 mm)	±.003 (±0.08 mm)	Clear	CP5076-000 (MT-LWA-.250-X-WIP)
MT-LWA-.375-X-SP	CP5065-000	.375 (9.53 mm)	.125 (3.18 mm)	.025 (0.64 mm)	±.003 (±0.08 mm)	Clear	CP5082-000 (MT-LWA-1/4-X-WIP)
MT-LWA-1/32-X-SP	CP5066-000	.040 ±.005 (1.02 ±0.13 mm)	.013 ±.002 (0.33 ±0.05 mm)	0.010 (0.25 mm)	±.002 (±0.05 mm)	Clear	CP5077-000 (MT-LWA-1/32-X-WIP)
MT-LWA-3/64-X-SP	CP5067-000	.055 ±.005 (1.40 ±0.13 mm)	.020 ±.003 (0.51 ±0.08 mm)	0.016 (0.41 mm)	±.003 (±0.08 mm)	Clear	CP5078-000 (MT-LWA-3/64-X-WIP)
MT-LWA-1/16-X-SP	CP5068-000	.072 ±.005 (1.83 ±0.13 mm)	.027 ±.004 (0.69 ±0.10 mm)	0.017 (0.43 mm)	±.003 (±0.08 mm)	Clear	CP5075-000 (MT-LWA-1/16-X-WIP)
MT-LWA-3/32-X-SP	CP5069-000	.107 ±.008 (2.72 ±0.20 mm)	.042 ±.004 (1.07 ±0.10 mm)	0.020 (0.51 mm)	±.003 (±0.08 mm)	Clear	CP5079-000 (MT-LWA-3/32-X-WIP)
MT-LWA-1/8-X-SP	CP5070-000	.140 ±.010 (3.56 ±0.25 mm)	.057 ±.005 (1.45 ±0.13 mm)	0.020 (0.51 mm)	±.003 (±0.08 mm)	Clear	CP5080-000 (MT-LWA-1/8-X-WIP)
MT-LWA-3/16-X-SP	CP5071-000	.205 ±.010 (5.21 ±0.25 mm)	.086 ±.007 (2.18 ±0.18 mm)	0.020 (0.51 mm)	±.003 (±0.08 mm)	Clear	CP5081-000 (MT-LWA-3/16-X-WIP)
MT-LWA-1/4-X-SP	CP5072-000	.275 ±.015 (6.99 ±0.38 mm)	.117 ±.008 (2.97 ±0.20 mm)	0.025 (0.64 mm)	±.003 (±0.08 mm)	Clear	CP5082-000 (MT-LWA-1/4-X-WIP)
MT-LWA-3/8-X-SP	CP5073-000	.415 ±.020 (10.54 ±0.51 mm)	.171 ±.016 (4.34 ±0.41 mm)	0.025 (0.64 mm)	±.003 (±0.08 mm)	Clear	CP5083-000 (MT-LWA-3/8-X-WIP)

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SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-112-0114-00	—

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