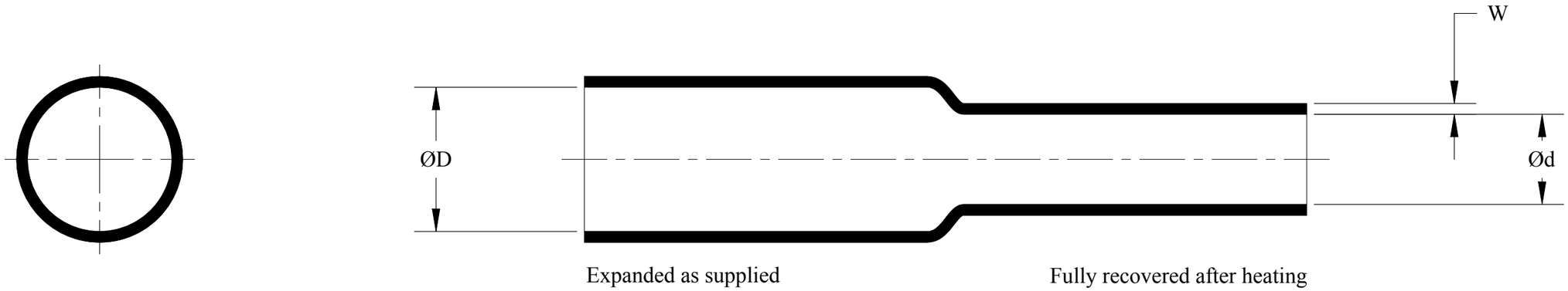
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	G	INITIAL RELEASE	15JUL2021	GCM	SH



1. EXTRUDED TUBING IS FABRICATED FROM A MODIFIED POLYOLEFIN, 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. NOT ALL PARTS LISTED IN TABLE

Size	As Supplied		Recovered			
	Inside Diameter (D)		Inside Diameter(d)		Wall Thickness (W)	
	in	mm	in	mm	in	mm
1/32	.040±.005	1.02±0.13	.013±.002	0.33±0.05	.010±.002	0.25±0.08
3/64	.055±.005	1.40±0.13	.020±.003	0.51±0.08	.016±.003	0.41±0.08
1/16	.072±.005	1.83±0.13	.027±.004	0.69±0.10	.017±.003	0.43±0.08
3/32	.107±.008	2.72±0.20	.042±.004	1.07±0.10	.020±.003	0.51±0.08
1/8	.140±.010	3.56±0.25	.057±.005	1.45±0.13	.020±.003	0.51±0.08
3/16	.205±.010	5.21±0.25	.086±.007	2.18±0.18	.020±.003	0.51±0.08
1/4	.275±.015	6.99±0.38	.117±.008	2.97±0.20	.025±.003	0.64±0.08
3/8	.415±.020	10.54±0.51	.171±.016	4.34±0.41	.025±.003	0.64±0.08

THIS DRAWING IS A CONTROLLED DOCUMENT.

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 G

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

MATERIAL QUALIFICATION 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

*TRADEMARK OF JOHNSON & JOHNSON COMPANY

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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
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A3	00779	C-112-0114-00	—

CUSTOMER DRAWING | SCALE NONE | SHEET 2 OF 3 | REV G

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

EXPANSION RATIO DIMENSIONS (MIN/MAX)

STANDARD SIZES	AS SUPPLIED		RECOVERED			
	INSIDE DIAMETER MINIMUM (D)		INSIDE DIAMETER MAXIMUM (d)		WALL THICKNESS (W)	
SIZE	INCH	mm	INCH	mm	INCH	mm
.032	.032	0.81	.011	0.28	.010±.002	0.25±0.05
.047	.053	1.35	.013	0.33	.012±.002	0.31±0.05
.063	.063	1.60	.021	0.53	.016±.002	0.41±0.05
.078	.078	1.98	.025	0.64	.016±.002	0.41±0.05
.094	.094	2.39	.031	0.79	.020±.003	0.51±0.08
.110	.110	2.79	.034	0.86	.020±.003	0.51±0.08
.125	.125	3.18	.042	1.07	.020±.003	0.51±0.08
.188	.188	4.78	.063	1.60	.020±.003	0.51±0.08
.250	.250	6.35	.083	2.11	.025±.003	0.64±0.08
.375	.375	9.53	.125	3.18	.025±.003	0.64±0.08

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

MATERIAL: –

FINISH: –

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APPLICATION SPEC	—
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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	SHEET	REV
NONE	3 OF 3	G