

CLXi Cable Label – Technical Data Sheet

Product Data

Storage:

Cool dry place out of direct sunlight

Recommended Printer & Ribbon:

Sumitag Printer:

300 DPI Printer STP-EOS5-300-S-NC-S
STP-SQX-300M-S-NC-510

Ribbon	TTR-110-360-BK-FLI-Y	Black
	TTR-110-360-BK-510	Black
	TTR-082-300-WE-173	White
	TTR-110-300-BK-510	Black
	TTR-083-300-BK-510	Black

Print Performance of Solvents:

Specifications:
MIL-STD-202G test method 215
Passed with the following ribbon:
TTR-110-360-BK-510

Material:

Thermoplastic Polyether-Polyurethane

Operating Temperature:

-40°C to +80°C

Application Method – Tie on

The Sumi tag-CLXi cable marker is specifically designed for the marking of cables. It is extremely strong with high tear strength properties, suitable for a variety of applications where legible and durable identification is required. The standard range comprises three different colours. The markers are supplied on rolls for thermal transfer printing, which means production, storage and picking are easy and convenient. The raw material is rated V-0 according to UL94 and is made from a halogen free compound. The material is hydrolysis resistant which means the material will not break down in reaction to water. For use in harsh chemical environments the combination of the CLXi material and ribbon type 510 shows great fluid resistance.

- Flame Retardant
- Halogen Free compound
- High tear strength
- Print Performance to Military requirements
- Three colours- white-yellow-red
- High degree of mark permanence
- Pickability enabled



Reported properties in table were taken from samples of injection moulded parts of 2.2mm thickness.

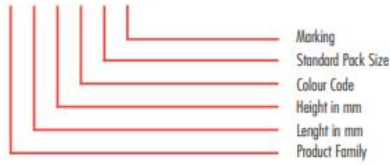
Property	Value	Test Method
Operating Temperature	-40°C to +80°C	
Flame Resistance	V0	UL 94
Shore Hardness	D 58	ASTM D 2240
Specific Gravity	1.16 g/cm ³	ASTM D 792
E-Modulus	151 MPa	ASTM D 412
Flexural Modulus	165 MPa	ASTM D 790
Tensile Strength	48 MPa	ASTM D 412
Tensile Strength @ 100% elongation	26 MPa	ASTM D 412
Tensile Strength @ 300% elongation	45 MPa	ASTM D 412
Ultimate elongation	410%	ASTM D 412
Tear Strength	1200 lb/in	ASTM D 624

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Ordering Information

Ordering Information Example

CLXi-060-10-WE-S Plug 1a



For identification of cables and wires. The markers are supplied on rolls for thermal transfer print, which means production, storage and picking are easy and convenient.

Marker Size mm	Text Area	Markers /box	Order Code	Colour
60x10mm	40x10mm	1450	CLXi-60-10-WE-S	White
75x15mm	55x15mm	1100	CLXi-75-15-WE-S	White
90x25mm	73x25mm	750	CLXi-90-25-WE-S	White
60x10mm	40x10mm	1450	CLXi-60-10-YW-S	Yellow
75x15mm	55x15mm	1100	CLXi-75-15-YW-S	Yellow
90x25mm	73x25mm	750	CLXi-90-25-YW-S	Yellow
60x10mm	40x10mm	1450	CLXi-60-10-RD-S	Red
75x15mm	55x15mm	1100	CLXi-75-15-RD-S	Red
90x25mm	73x25mm	750	CLXi-75-25-RD-S	Red

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Chemical Resistance performance

Test Conditions:

Tested in accordance with Mil-STD-202G Method 215, fluids A,C & D. Product tested with ribbon TTR-110-360-BK-510.

For solvent resistance tests, samples were immersed in the required solvent for 3 minutes, followed by a brush being dipped in the solvent until wetted and the sample brushed with normal hand pressure for ten forward directed strokes directly on the printed area.

For Print adherence Each sample was rubbed 20 times with the pink eraser unidirectionally using reasonable force.

Ribbon Type: TTR-110-360-BK-510		
Substrate: CLXI		
Fluid type:	Solvent Resistance	Print adherence
Fluid A	●	●
Fluid C	●	●
Fluid D	●	●

No Visible effect ●
 Some removal of print ●
 Complete removal of print ●

Fluid A - One part by volume of isopropyl alcohol, American Chemical Society (ACS) reagent grade, or isopropyl alcohol in accordance with TT-I-735, grade A or B, and Three parts by volume of mineral spirits in accordance with MIL-PRF-680, type I and 20 percent by volume ethylbenzene.

Fluid C - A terpene defluxer consisting of a minimum of 90 percent d-limonene and 10 percent surfactant

Fluid D - mixture consisting of the following:

- Forty-two parts by volume water, 1 megohm-cm minimum resistivity.
- One part by volume of propylene glycol monomethyl ether
- One part by volume of monoethanolamine.

Business management accreditations

