

LBSC-3000

Acid sensing Cable



The LeakBan LBSC-3000 sensing cable detects the presence of acids such as sulphuric/sulphurous acid, hydrochloric acid and PAC etc. at any point along the length. Being installed with LBMM, master module and LBSM, slave module (sub-module), LBSC-3000 senses leakage or intrusion instantly and sends an event signal to LBMM via LBSM by RS485 communication protocol. Upon reception, LBMM and LBSM trigger an alarm and find the position where leakage occurs. LBSC-3000 sensing cable can be supplied in standard supply lengths, which are factory-terminated with a pair of circular metallic connectors to plug together. These are keyed to avoid incorrect polarity/connection for easy and quick installation. Multiples of pre-terminated sensing cables can be easily connected up to 1 km to suit on-site layouts and conditions. LBSC-3000 sensing cable consists of two continuity wires and two sensing wires. The sensing wires are spirally wound and positioned in the groove of the twisted spacer. As the sensing wires are coated with a special material, it eliminates any chance of false alarm even when the sensing cable is installed outdoor and exposed to water, rain or flying conductive dusts. The flame-retardant woven-fibre covering is therefore optional for outdoor use and not provided for protection against water, rain or dusts. The spacer of LBSC-3000 is constructed with crosslinked rigid plastic so it exhibits excellent abrasion and chemical resistance. LBSC-3000 is thin, lightweight, flexible and less elastic so keeps its position after installation.

Use	LBSC-3000 sensing cable is designed for various applications : semi-conductor factory battery factory display panel (LCD/LED) factory all other chemical plants Applicable chemical : sulphuric acid, hydrochloric acid, nitric acid, and PAC etc.																	
Features	Cable diameter Continuity wire Sensing wire Spacer Maximum continuous operating temperature Humidity Flame retardant Min. bending radius Min. installation Temperature Pre-terminated standard length	approx. 7 mm AWG 20 x 2 AWG 30 x 2 alloy with conductive coating chemical resistant XLEVA, red color 80°C up to 80% RH VW-1 40mm -40°C 3.5m, 7m or 15m																
Specification	Confirms with EMI/EMC and electrical safety requirements Sensing cables can be extended up to 1km Fast response less than 15 minutes depending on the acid type Leak positioning accuracy ($\pm 1m / 1,000m$) Resistance to abrasion, chemicals Standard supply 3.5m, 7m, 15m Operating temp. -40°C ~ 80°C																	
Selection Code	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">LBSC-3000</td> <td style="text-align: center;">-</td> <td style="text-align: center;">15</td> <td style="text-align: center;">-</td> <td style="text-align: center;">C</td> </tr> <tr> <td style="text-align: center;">(a)</td> <td></td> <td style="text-align: center;">(b)</td> <td></td> <td style="text-align: center;">(c)</td> </tr> <tr> <td style="text-align: center;">Model</td> <td colspan="2" style="text-align: center;">Pre-terminated cable length(m) : 3.5, 7, 15</td> <td colspan="2" style="text-align: center;">Outdoor covering (Optional)</td> </tr> </table>			LBSC-3000	-	15	-	C	(a)		(b)		(c)	Model	Pre-terminated cable length(m) : 3.5, 7, 15		Outdoor covering (Optional)	
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