

XLB2

XLB2 Features

- Streamlined shell design
- Internal cable clamp
- Separate ground contact
- Quick disconnect latch lock
- Glass-filled nylon insulator (UL94V-0)
- Solder termination
(Crimp contact available on 3 position female plug)
- Interchangeable/intermateable with XLR, XLA, XLG, XLB-PC, XLM
- 2 shell colors, nickel silver and black

Applications

- Microphones
- Tuners
- Medical Instruments
- VCRs
- Speakers
- Amplifiers
- Mixers
- Equalizers
- TV Cameras
- D/C Converters
- Test Instruments

Standard Data

Specifications(Detail p4)

Rated Current	5A-15A
Service Voltage	133VAC
Dielectric Withstanding Voltage	1400VAC
Insulation Resistance	5000M Ω min.at 500VDC
Contact Resistance	2A, 3 : 10m Ω MAX 4 : 13m Ω MAX 5,6A,7 : 15m Ω MAX

Materials(Finishes)

	Silver Shell	Black Shell	Crimp
Contacts	Copper Alloy(Silver)	Copper Alloy(Gold Flash)	Copper Alloy(Silver)
Insulator : Socket	PBT Glass-filled	PBT Glass-filled	PBT Glass-filled
: Pin	Nylon	Nylon	—
Shell			
11/12/31/32	Zinc Alloy(Nickel)	Zinc Alloy(Black)	Zinc Alloy(Nickel)
41/42	Aluminum Alloy(Nickel)	Aluminum Alloy(Black)	—
Barrel	Steel	Steel	Steel
Bushing	PVC	PVC	PVC

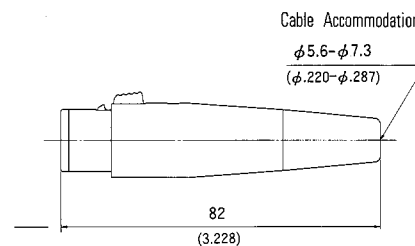
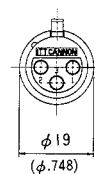
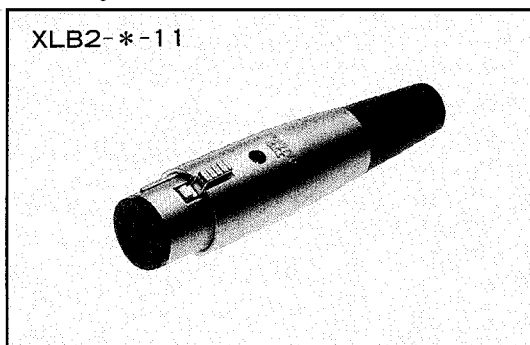
How To Order

● Series Prefix	XLB2-3-11*-**
● Contact Arrangements	2A, 3, 4, 5, 6A, 7 (SEE PAGE 4)
● Shell Styles	11 — Female Plug 12 — Male Plug 31 — Female Flange Receptacle 32 — Male Flange Receptacle 41 — Small Female Flange Receptacle 42 — Small Male Flange Receptacle
● Shell Color	Blank — Silver Shell, Silver Plated Contacts B — Black Shell, Gold Flash Contacts
● Modifications	F — Crimp Contacts Type (3 Position Female Plug Only)

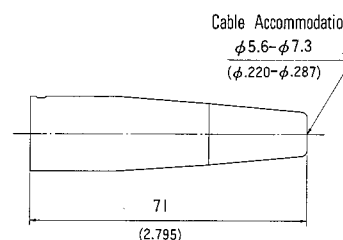
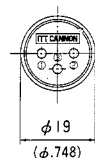
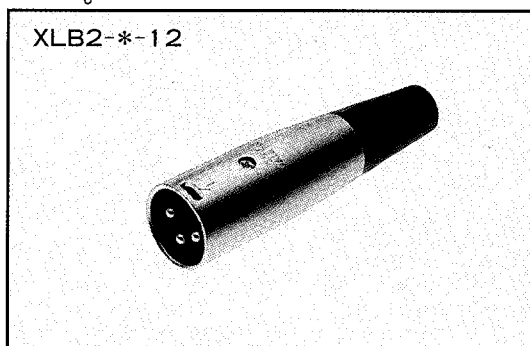
XLB2

Plugs

Female Plug

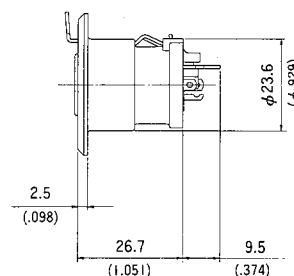
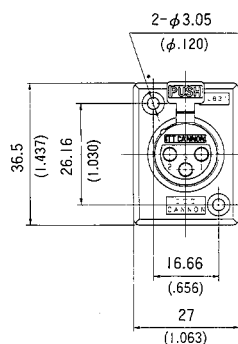
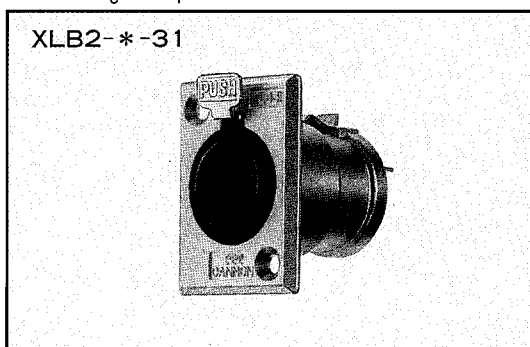


Male Plug

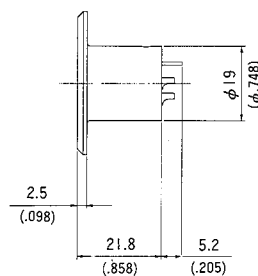
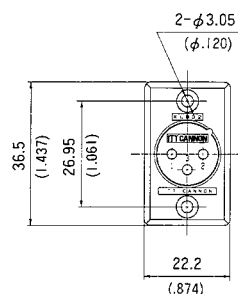
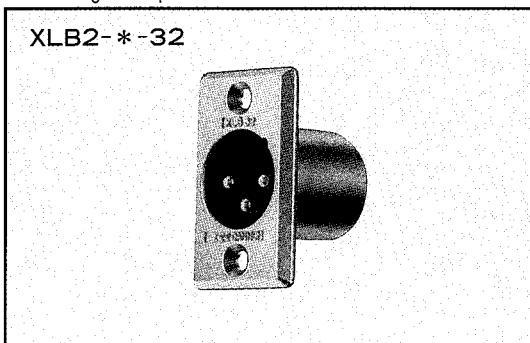


Receptacles

Female Flange Receptacle



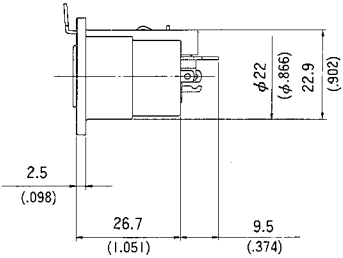
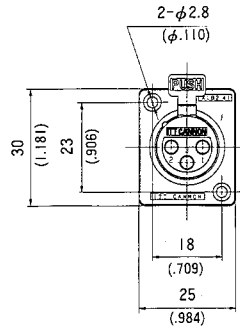
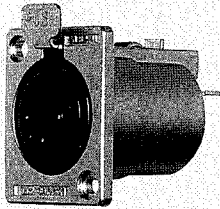
Male Flange Receptacle



XLB2

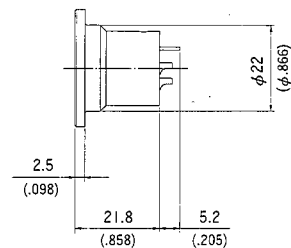
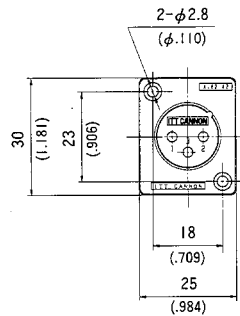
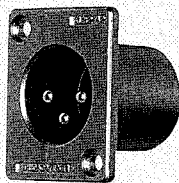
Small Female Flange Receptacle

XLB2-* -41



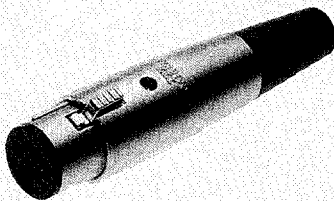
Small Male Flange Receptacle

XLB2-* -42

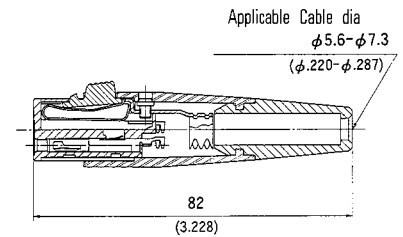
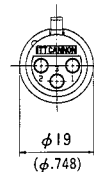


Female Plug for Crimp Contacts

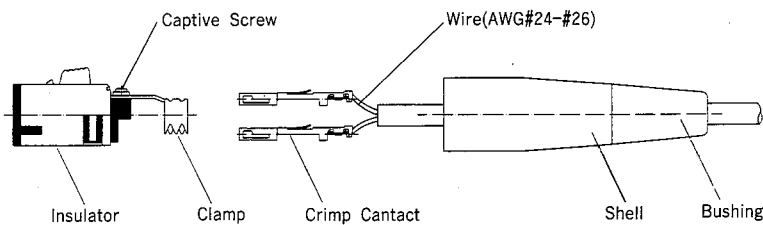
XLB2-* -11F



(Contacts must be ordered separately)



Termination Procedure



- (1) Insert the cable through the bushing and the shell
- (2) Strip the wire
- (3) Crimp the contact on to the wire.
- (4) Insert the crimped contact through the insulator
- (5) Crimp the clamp on to the cable.
- (6) Insert the socket insert assembly into the shell
- (7) Tighten the captive screw

Hand Crimp Tool

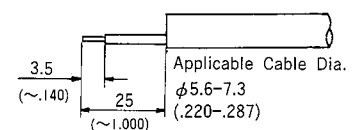
CCT-XLB2-3

Reeled Contacts

(Contain 4,500 Contacts)

127000-2260

Recommended
Wire Preparation



ITT Cannon

Dimensions are shown in millimeters (inches).
Dimensions subject to change.

General Performance Characteristics

Number of Contacts	2	3	4	5	6	6	7
Contact Arrangement Designator	2A	3	4	5	6	6A	7
Contact Arrangement Configuration							
Rated Current	15A	※ 10A	10A	7.5A	7.5A	7.5A	5A
Service Voltage(AC)	200V	133V	133V	133V	133V	133V	133V
Dielectric Withstanding Voltage(AC)	1600V	1400V	1400V	1400V	1400V	1400V	1400V
Insulation Resistance	5,000MΩ min. at 500VDC						
Contact Resistance	See specifications in each series						
Operating Temperature	-35°C ~ +85°C (XLR/XLG; -55°C ~ +125°C)						
Wire Accommodation Reference AWG	#14	#14	#16	#18	#18	#18	#20
Wire Cross Section (max.)	2.0mm ²	2.0mm ²	1.4mm ²	0.9mm ²	0.9mm ²	0.9mm ²	0.5mm ²
Stranded Wire O.D. (max.)	2.1mm	2.1mm	1.6mm	1.4mm	1.4mm	1.4mm	1.0mm

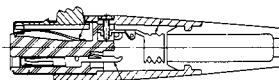
※ XLR/XLG : 15A
XLM/XLB-PC : 3A

Series Variations

Series/Shell	Styles	2A	3	4	5	6	6A	7
XLB2	11/11B	★	★	★	★		★	★
	12/12B	★	★	★	★		★	★
	31/31B	★	★	★	★		★	★
	32/32B	★	★	★	★		★	★
	41/41B	★	★	★	★		★	★
	42/42B	★	★	★	★		★	★
(Crimp)	11F		★					
	11C	★	★	★	★	★	★	★
XLR	12C	★	★	★	★	★	★	★
	13	★	★	★	★	★	★	★
	14	★	★	★	★	★	★	★
	31	★	★	★	★	★	★	★
	32	★	★	★	★	★	★	★
	31-F77	★	★	★	★	★	★	★
	32-F77	★	★	★	★	★	★	★
	32-F512	★	★	★	★	★	★	★
	11		★		★			
	12		★					
XLA	11/11B		★					
	12/12B		★					
	31/31B		★					
XLB	32/32B		★					
	31/32-PCS		★					
	31/32-PCV		★					
XLB	31/32-PCH-L		★					
	31/32-PCH-R		★					
	31/32-PCS		★					
	31/32-PCV		★					
XLM	31/32-PCH-L		★					
	31/32-PCH-R		★					

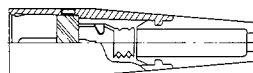
Shell Styles

● Female Plug



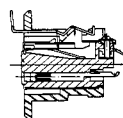
Type ; 11, 11B, 11C

● Male Plug



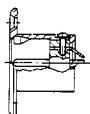
Type ; 12, 12B, 12C

● Female Flange Receptacle



Type ; 13
31, 31B,
41, 41B,
31-F77

● Male Flange Receptacle



Type ; 14
32, 32B,
42, 42B,
32-F77,
32-F512