

USB CONNECTOR & CABLE

ESB 1 SERIES (CABLE)

U.S.Electronics Inc

Ph: (314) 423 7550

Fax: (314)423 0585

FEATURES

- The standard USB cable will consist of one pair of 20-28 AWG wire for power distribution with another 28 AWG pair twisted, with a shield and overall jacket.
- This will be used for typical peripherals operating at the rated 12 Mbs signaling.
- An alternative cable of identical gauge but without the twisted conductors and shield can be used for 1.5 Mbs signaling.

SPECIFICATIONS

ELECTRICAL		MECHANICAL	
Contact resistance	30 m Ω Max.	Mating force	35N Max.
Insulation resistance	1000 M Ω Min.	Unmating force	10N Min.
Dielectric strength	750 VAC Min.	Durability	1500 cycles
Capacitance	Max. 2pF (1K Hz test)	Temperature	storage -40°C to +60°C operating 0°C to +40°C
ENVIRONMENTAL		Vibration	No discontinuities of 1 μ s or longer duration.
Thermal shock	-55°C to +85°C, 5cycles.	Physical shock	No discontinuities of 1 μ s or longer duration.
Temperature life	85°C for 250 hours.		
Humidity	96 hours at 40°C with 90% to 95%RH.		

PART NUMBERING SYSTEM

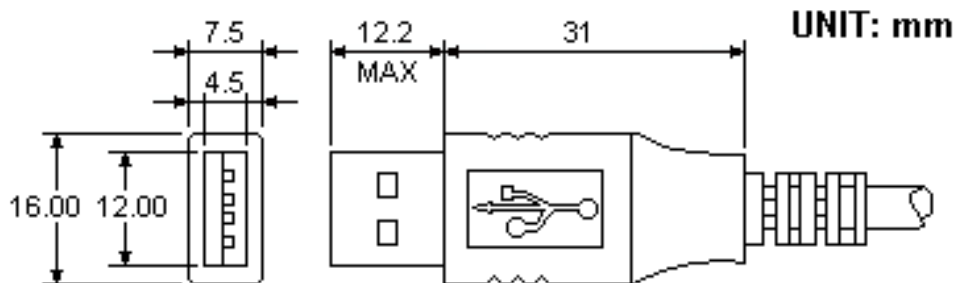
<u>ESB</u>	<u>1</u>	<u>X</u>	<u>XX</u>	<u>XX</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	
									+----- Special Code
									+----- Certificate: 0:UL CM Type
									1:UL 2725
									+----- Color: 0:White Frost
									1:Gray 3:Black
									2:Ivory 4:Beige
									+----- Rating: 0:Full-Rate Channel
									1:Sub-Rate Channel
									+----- Wire Gauge: 88:AWG 28/28
									68:AWG 26/28
									48:AWG 24/28
									28:AWG 22/28
									08:AWG 20/28
									+----- Cable Length: 10:1.0M 18:1.8M
									20:2.0M 30:3.0M
									50:5.0M
									+----- Setting: 1:A+Free Type 2:B+Free Type
									3:A+B Type 4:A+A Type
									5:B+B Type 6:A+Housing
									7:B+Housing 8:Socket+housing
									9:Plug+housing
									+----- Type: 1:Cable(plug)
									+----- Model Name: ESB Series

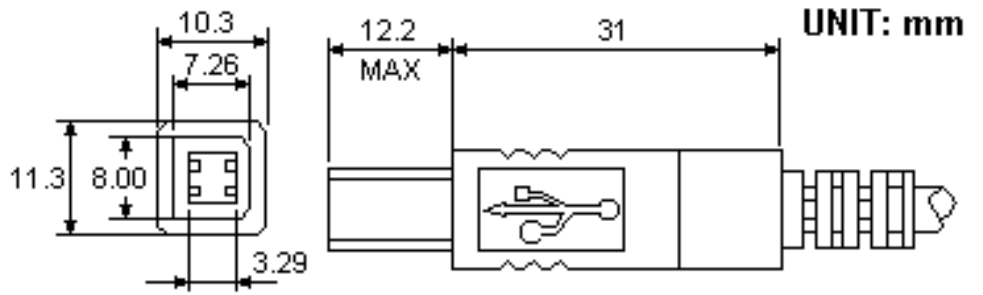
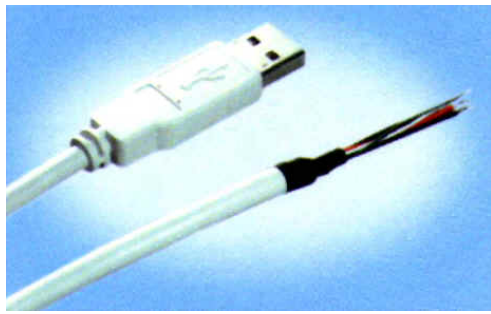
DIMENSIONS (UNIT: mm)

● USB CABLE (ESB 1 SERIES)

PAPT NUMBER

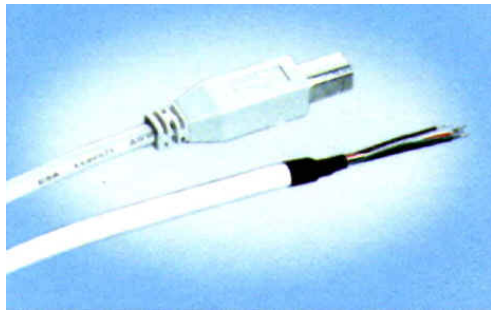
SETTING





ESB 11XXXXXX

A+Free type



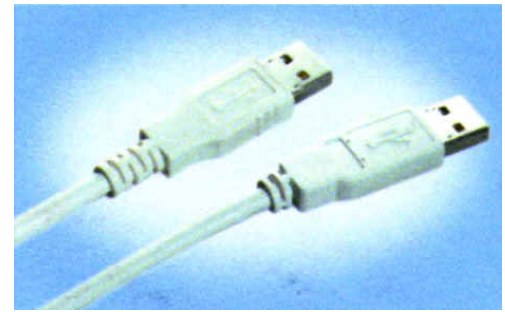
ESB 12 XXXXXX

B+Free type



ESB 13 XXXXXX

A+B type



ESB 14 XXXXXX

A+A type



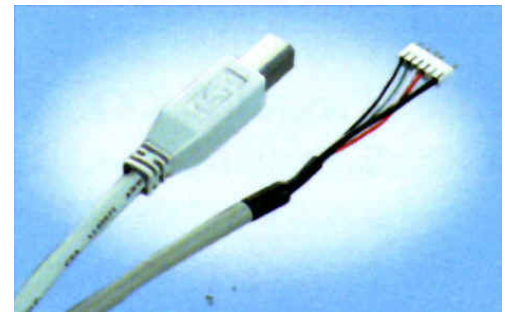
ESB 15 XXXXXX

B+B type



ESB 16 XXXXXX

A+Housing
(Housing made as require)



ESB 17 XXXXXX

B+Housing
(Housing made as require)