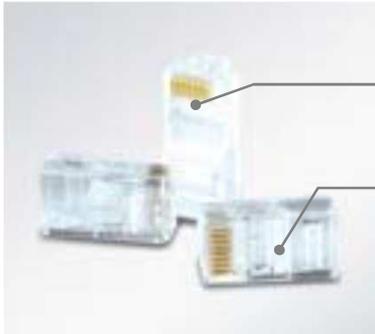# LS Simple™ Cabling Solution

LS-MP-UC5E-RJ45

8-pin Modular Plug

PC (Polycarbonate)

Description

LS Simple™ Category 5e 8-pin Modular Plug complies with the specification of 47 CFR part 68.

Application

- Horizontal Distribution & Backbone Cabling
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10/100/1000 BASE-T (IEEE 802.3)
- 155 Mbps
- 100Mbps TP-PMD
- ISDN, ADSL
- Analog & Digital voice(VoIP) and video
- Full broadband and baseband video
- RoHS compliant

Part Numbers

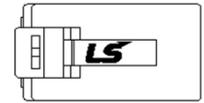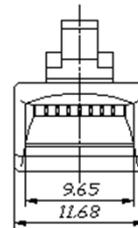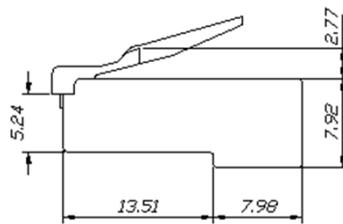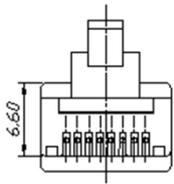| Description	Part Number
8P8C RJ45 Unshielded Category 5e Modular Plug for Round Cable, Stranded & Solid Wires Used	LS-MP-UC5E-RJ45

Technical Details

Item	Unit	Specification
FEATURE		
Approvals		UL Certified
Category		ANSI/TIA-568-C.2 Category 5e
Wiring scheme		47 CFR part 68 and IEC 603-7
ELECTRICAL		
Current Rating	Amps	1.5
Insulation Resistance	Mega-ohm	> 500
Contact Resistance	milli-ohm	< 20
Dielectric Strength	V_{AC}(RMS)	1000
Rated Voltage, Current	V_{AC} max	< 30VAC at1.5A
MECHANICAL		
Insertion Life	Mating cycles	750
Pull Force	lbs(N)	20
Temperature	℃	-20 ~ 68
Humidity	% (RH)	10 ~ 90
Contact Accept	AWG	24 (Stranded & Solid Wire)
PHYSICAL		
Plug Housing		Polycarbonate (PC), UL 94V-0 or 2 rated
Contact Blade		Phosphor bronze plated with 50uin thick gold over nickel undercoat

LS-MP-UC5E-RJ45

➤ Drawing

LS Cable & System

The drawing appearing on this page is not a warranty,
and may be subject to change or modification without any prior notice.

Rev. 1.0   2/2page

LS Simple™ Cabling Solution

LS-MP-UC6-RJ45

➤ Description

LS Simple™ Category 6 8-pin Modular Plug complies with plug specification of 47 CFR part 68.
It includes the cable guide and boot for reliability of connection & assembly.

➤ Application

• Horizontal Distribution & Backbone Cabling
• 4/16 Mbps Token Ring (IEEE 802.5)
• 10/100/1000 BASE-T (IEEE 802.3)
• 155 Mbps
• 100Mbps TP-PMD
• ISDN, ADSL
• Analog & Digital voice(VoIP) and video

➤ Part Numbers

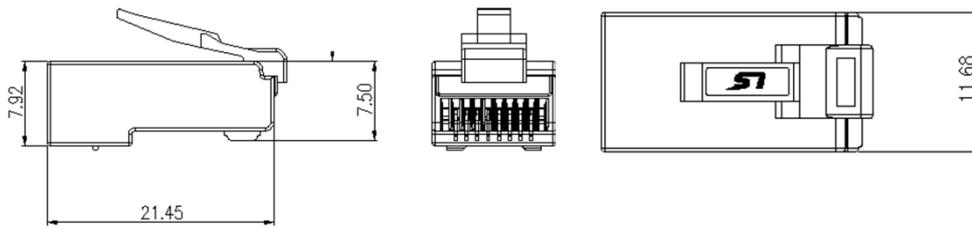| Description	Part Number
8P8C RJ45 Unshielded Category 6 Modular Plug for Round Cable, Stranded & Solid Wires Used	LS-MP-UC6-RJ45

➤ Technical Details

Item	Unit	Specification
FEATURE		
Approvals		UL Certified
Category		ANSI/TIA-568-C.2 Category 6
Wiring scheme		47 CFR part 68 and IEC 603-7
ELECTRICAL		
Current Rating	Amps	1.5
Insulation Resistance	Mega-ohm	> 500
Contact Resistance	milli-ohm	< 20
Dielectric Strength	V_{AC}(RMS)	1000
Rated Voltage, Current	V_{AC} max	< 30V_{AC} at1.5A
MECHANICAL		
Insertion Life	Mating cycles	750
Pull Force	lbs(N)	20(89)
Temperature	℃	-20 ~ 68
Humidity	% (RH)	10 ~ 90
Contact Accept	AWG	24 (Stranded & Solid Wire)
PHYSICAL		
Plug Housing		Polycarbonate (PC), UL 94V-0 or 2 rated
Contact Blade		Phosphor bronze plated with 50uin thick gold over nickel undercoat

LS-MP-UC6-RJ45

Drawing

LS Cable & System

The drawing appearing on this page is not a warranty,
and may be subject to change or modification without any prior notice.

Rev. 1.0   2/2page

LS Simple™ Cabling Solution

LS-MP-SC5E-RJ45-TRBOOT

8Pin Modular Plug
(Shield)

Transparent Boot
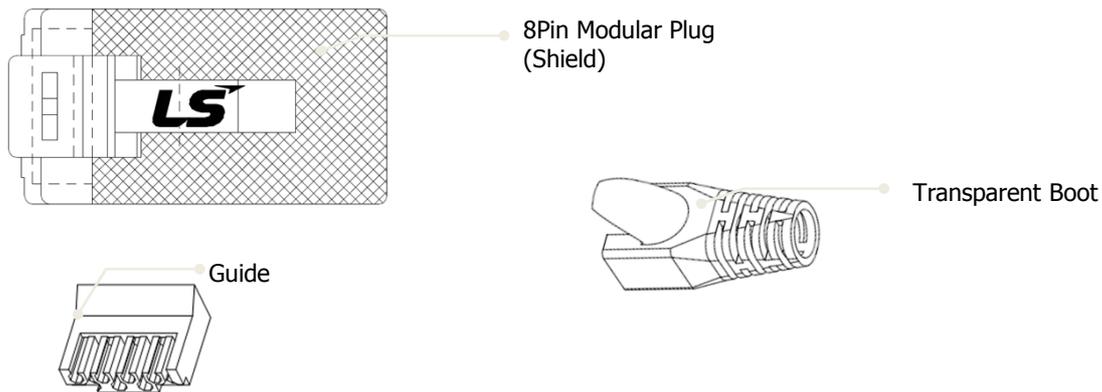
Guide

Description

LS Simple™ Shielded Category 5e or Category 6 Modular Plug has 8-pin connection and complies with RJ45 plug specification of FCC CFR 47 part 68. and it include the cable guide and transparent boot for reliability of connection & assembly.

Application

- Horizontal Distribution & Backbone Cabling
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10/100/1000 BASE-T (IEEE 802.3)
- 155 Mbps
- 100Mbps TP-PMD
- ISDN, ADSL
- Analog & Digital voice(VoIP) and video
- Full broadband and baseband video
- RoHS compliant

Part Numbers

Description	Dimension (H x W x D, mm)	Part Number
8P8C RJ45 Shielded Cat.5e Modular Plug with transparent boot	8.3 x 11.7 x 21.5	LS-MP-SC5E-RJ45-TRBOOT

LS-MP-SC5E-RJ45-TRBOOT

➤ Technical Details

| Item	Unit	Specification
FEATURE		
Approvals		UL Certified
Category		ANSI/TIA-568-C.2 Category5e
Wiring scheme		FCC CFR 47 part 68 and IEC 603-7
ELECTRICAL		
Current Rating	Amps	1.5
Insulation Resistance	Mega-ohm	> 500
Contact Resistance	milli-ohm	< 20
Dielectric Strength	V_{AC}(RMS)	1000
Rated Voltage,Current	V_{AC} max	< 30 at1.5A
MECHANICAL		
Insertion Life	Mating cycles	750
Pull Force	lbs(N)	20 (89)
Temperature	℃	-20 ~ 68
Humidity	% (RH)	10 ~ 90
Contact Accept	AWG	0.41mm(26AWG) ~ 0.51mm(24AWG)
PHYSICAL		
Insert & Plug Housing		High-impact Polycarbonate (PC), UL 94V-2 rated
Contact Blade		Phosphor bronze plated with 50uin thick gold over nickel undercoat
Boot		Polyvinyl Chloride (PVC), Transparent

➤ Drawing

Boot

Plug

Insert
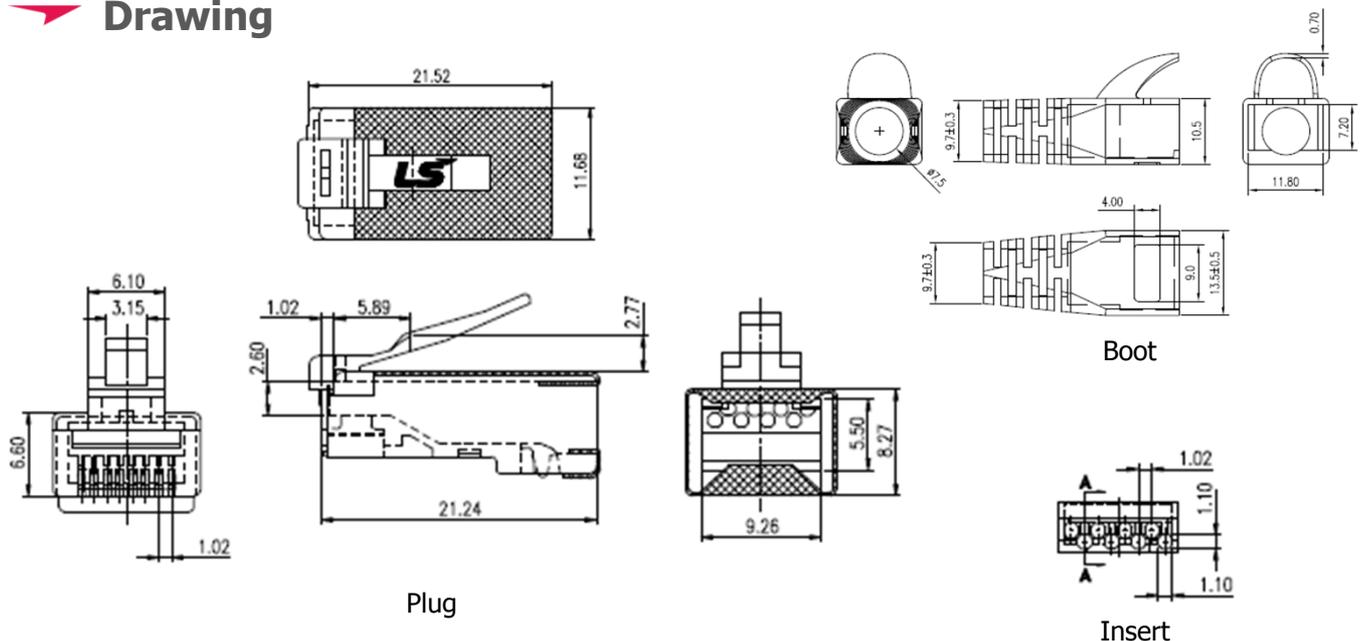
Simple™

LS Simple™ Cabling Solution

LS-MP-SC6-RJ45-TRBOOT-A

➤ Description

LS Simple™ Shielded Category 6 above modular plug has 8P8C connection and complies with RJ45 plug specification of FCC CFR 47 part 68.
And it include the cable guide and transparent boot for reliability of connection & assembly.

Transparent Boot
(Applicable cable diameter : nom. 7.5mm)

Wire guide

8-pin Modular Plug (Shield)
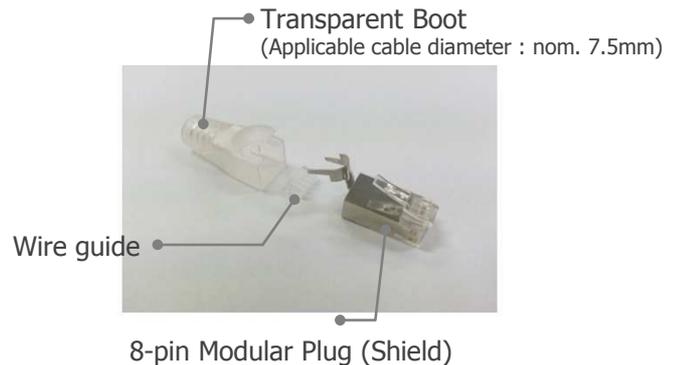
➤ Application

• Horizontal Distribution & Backbone Cabling
• 4/16 Mbps Token Ring (IEEE 802.5)
• 10/100/1000/10G BASE-T (IEEE 802.3)
• 155 Mbps ATM
• 100Mbps TP-PMD
• ISDN, ADSL
• Analog & Digital voice (VoIP) and video
• Full broadband and baseband video

➤ Part Numbers

Description	Part Number
Category 6 above Shielded RJ45 Modular Plug with Transparent Boot (applicable cable diameter : nom. 7.5mm)	LS-MP-SC6-RJ45-TRBOOT-A

LS Cable & System

The drawing appearing on this page is not a warranty, and may be subject to change or modification without any prior notice.   Rev. 0.2   1/3page

LS Simple™ Cabling Solution

LS-MP-SC6-RJ45-TRBOOT-A

➤ Technical Details

Item	Unit	Specification
FEATURE		
Approvals		UL Certified
Category		ANSI/TIA-568-C.2 (Category 6 or 6A)
Meet		FCC CFR 47 Part 68 and IEC 60603-7
Wiring scheme		T568A/T568B
ELECTRICAL		
Current Rating	Amps	1.5
Insulation Resistance	Mega-ohm	> 500
Contact Resistance	milli-ohm	< 20
Dielectric Strength	V_{AC}(RMS)	1000
Rated Voltage, Current	V_{AC} max.	< 30 at 1.5A
MECHANICAL		
Insertion Life	Mating cycles	750
Pull Force	lbs(N)	20 (89)
Temperature	℃	-20 ~ 68
Humidity	% (RH)	10 ~ 90
IDC Contact Accept	mm	0.41mm(26AWG) ~ 0.51(24AWG)
Insulation Diameters	mm	1.05mm ~ 1.15mm
Cable Diameters	mm	5mm ~ 7.8mm
PHYSICAL		
Plug Housing		High-impact Polycarbonate (PC), UL 94V-0 rated transparent
Contact Blade		Copper Alloy, plated with 1.27um (50uin) thick hard gold over nickel underplate in contact area
Overall Shield		Copper Alloy
Boot		Polyvinyl Chloride (PVC), Transparent UL 94 V-0 rated

LS Cable & System

The drawing appearing on this page is not a warranty, and may be subject to change or modification without any prior notice.

Rev. 0.2   2/3page

LS Simple™ Cabling Solution

LS-MP-SC6-RJ45-TRBOOT-A

▶ Drawing

LS Cable & System

The drawing appearing on this page is not a warranty,
and may be subject to change or modification without any prior notice.

Rev. 0.2   3/3page