MAGIC SILICONE LED NEON LIGHT
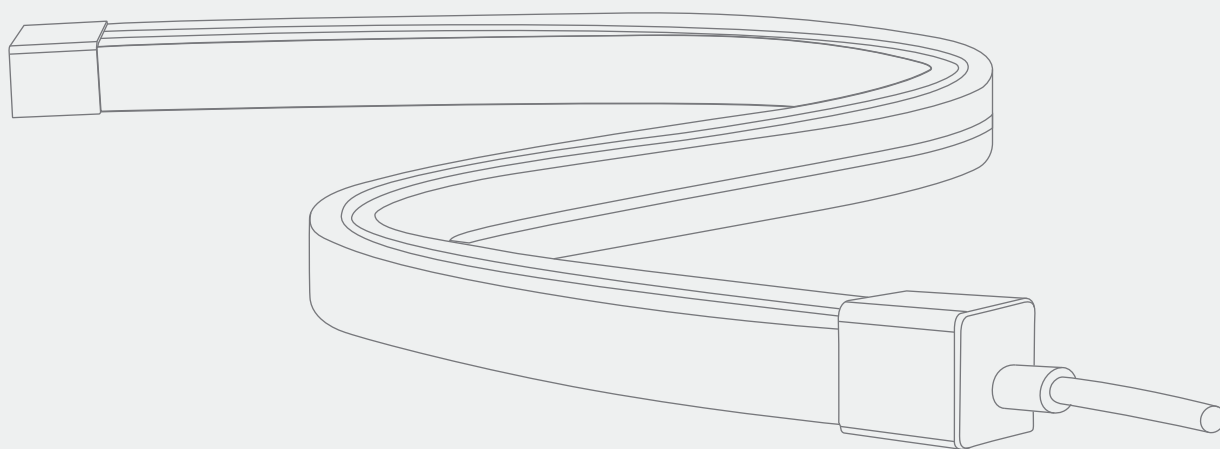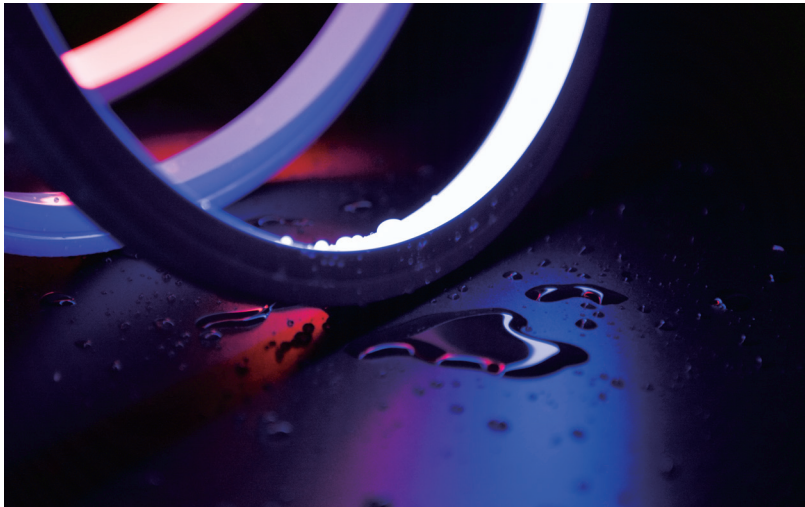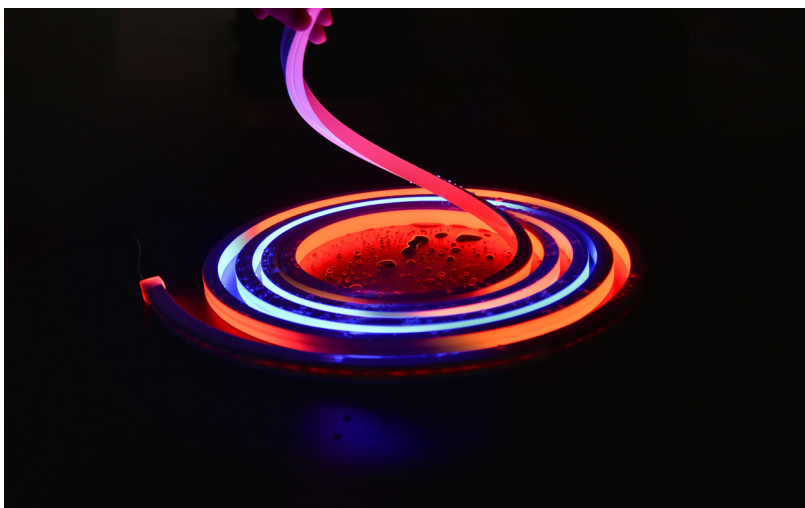
AiDiWatt

www.aidiwattlighting.com

SPI

Simple application, only need a single data cable can complete the transmission of data;
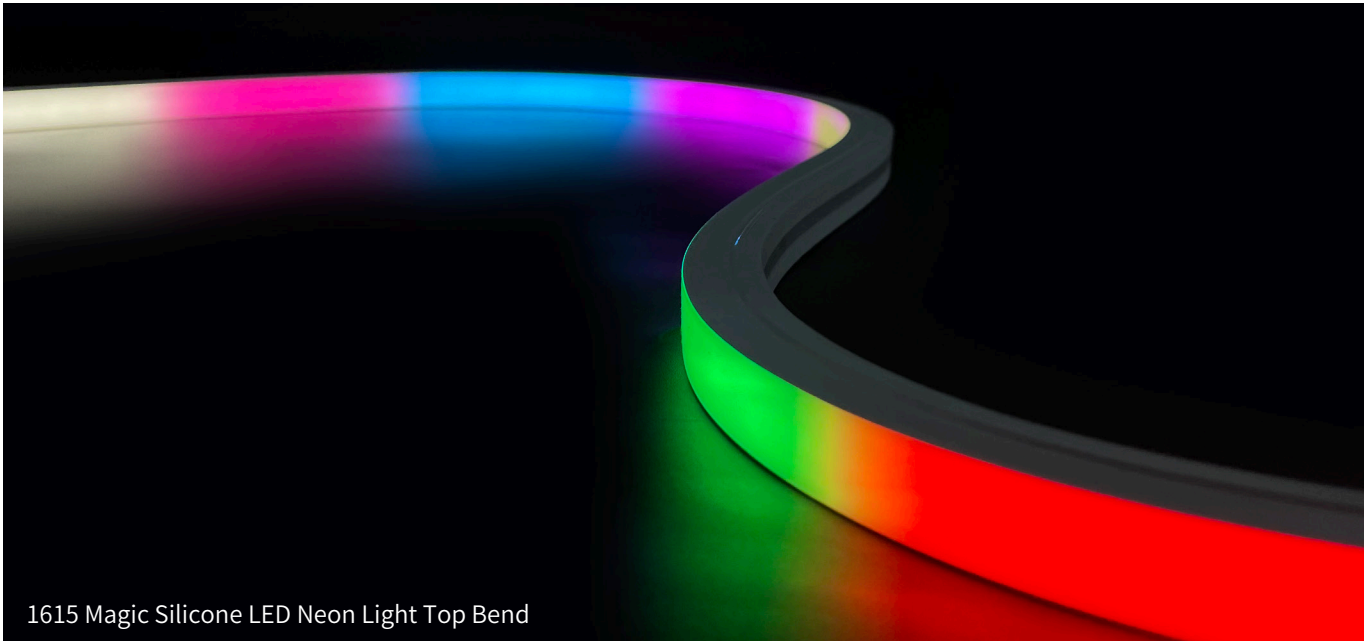
Breakpoint Transmission

With dual data cable, the main data cable can be automatically switched to the standby data cable when the fault, enhance the reliability of data transmission;
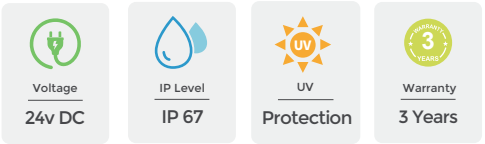

DMX512

Compatible with international standard protocol DMX512 (1990). Adopting signal differential transmission mode, to ensure stronger anti-interference ability and longer transmission distance.
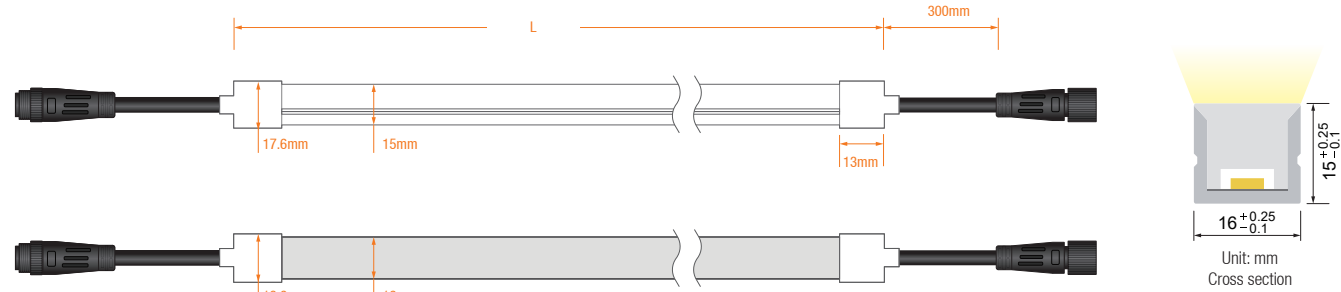
1615 Magic Silicone LED Neon Light Top Bend

Product Features

- It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
- Environmental protection grade silicone material, integrated extrusion molding process.
- Unique optical light distribution structure design, uniform lighting surface and no shadow.
- IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.
- Excellent toughness, simple and stylish appearance, delicate and unique.
- 3 years warranty, working life ≥30000 hours;

Voltage	IP Level	UV	Warranty
24v DC	IP 67	Protection	3 Years

Dimension structure

L   300mm

17.6mm   15mm   13mm

18.6mm   16mm

$15^{+0.25}_{-0.1}$

$16^{+0.25}_{-0.1}$

Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD：5.0mm	●●●	SPI：Red V+，Green DI/DO，Black V-
		OD：5.5mm	●●●●	Breakpoint Transmission： RedV+，GreenBI/BO，BlueDI/DO，BlackV-
	40 40 15	OD：5.5mm	●●●○●	DMX512： RedV+，GreenPI/PO，BlueAI/AO，WhiteBI/BO，BlackV-
Silicone Cable		OD：5.0mm	●●●	SPI：RedV+，GreenDI/DO，BlackV-
		OD：6.0mm	●●●●	Breakpoint Transmission： RedV+，GreenBI/BO，BlueDI/DO，BlackV-
	40 40 15	OD：6.0mm	●●●○●	DMX512： RedV+，GreenPI/PO，BlueAI/AO，WhiteBI/BO，BlackV-

RGB SPI

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	5	R	48	9.6	8	125	Breakpoint Transmission	UCS2603/WS2818
	5	G	184	36.8				
	5	B	32	6.4				
	12	RGB	262	21.8				

RGBW SPI

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	42	8.8	8	125	SPI	UCS2904
	4.8	G	117	24.4				
	4.8	B	36	7.5				
	4.8	W(4000K)	162	33.8				
	14.5	RGBW	342	23.6				

RGB DMX512

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	51	10.6	8	125	DMX512	UCS512C2L
	4.8	G	191	39.8				
	4.8	B	32	6.7				
	12	RGB	266	22.2				

RGBW DMX512

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	44	9.2	8	125	DMX512	UCS512C2L
	4.8	G	119	24.8				
	4.8	B	34	7.1				
	4.8	W(4000K)	153	31.9				
	15	RGBW	329	21.9				
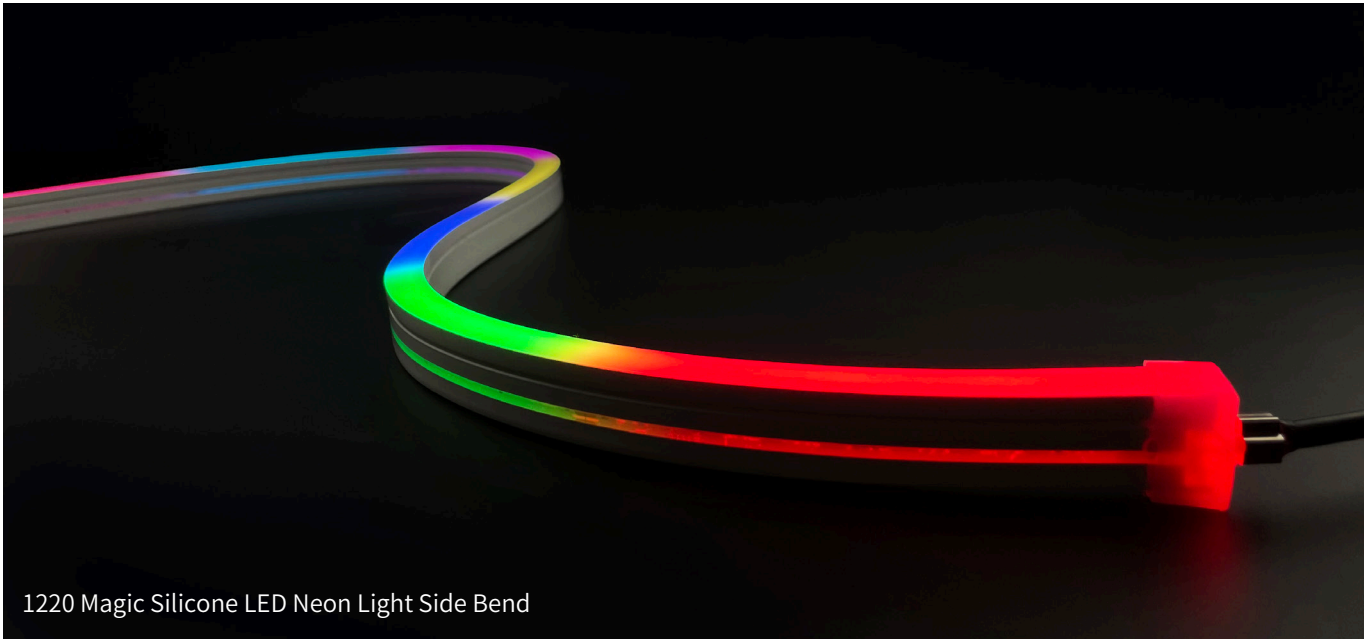
1220 Magic Silicone LED Neon Light Side Bend

Product Features

· It is made of Dow Chemical SILASTIC™ ET-7021 silicone rubber, which provides high transparency and high strength.
· Environmental protection grade silicone material, integrated extrusion molding process.
· Unique optical light distribution structure design, uniform lighting surface and no shadow.
· IP67 protection level, salt solution resistance, weak acid and alkali corrosion and UV.
· Excellent toughness, simple and stylish appearance, delicate and unique.
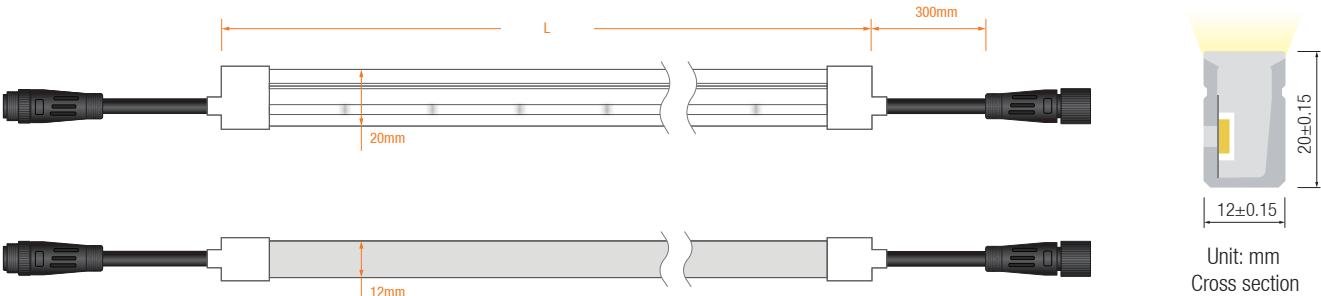· 3 years warranty, working life ≥30000 hours;

Voltage	IP Level	UV	Warranty
24v DC	IP 67	Protection	3 Years

Dimension structure

L
300mm
20mm
12mm

20±0.15
12±0.15
Unit: mm
Cross section

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		OD：5.0mm	●●● ●	SPI：Red V+，Green DI/DO，Black V-
		OD：5.5mm	●●●●	Breakpoint Transmission：RedV+，GreenBI/BO，BlueDI/DO，BlackV-
	40 40 15	OD：5.5mm	●●●○○●	DMX512：RedV+，GreenPI/PO，BlueAI/AO，WhiteBI/BO，BlackV-
Silicone Cable		OD：5.0mm	●●●	SPI：RedV+，GreenDI/DO，BlackV-
		OD：6.0mm	●●●●	Breakpoint Transmission：RedV+，GreenBI/BO，BlueDI/DO，BlackV-
	40 40 15	OD：6.0mm	●●●○○●	DMX512：RedV+，GreenPI/PO，BlueAI/AO，WhiteBI/BO，BlackV-

RGB SPI

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	5	R	28	5.6	8	125	Breakpoint Transmission	UCS2603/WS2818
	5	G	110	22.1				
	5	B	20	4.0				
	12	RGB	159	13.2				

RGBW SPI

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	29	6.0	8	125	SPI	UCS2904
	4.8	G	78	16.3				
	4.8	B	23	4.8				
	4.8	W(4000K)	96	20.0				
	14.5	RGBW	218	15.0				

RGB DMX512

Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	30	6.3	8	125	DMX512	UCS512C2L
	4.8	G	115	24.0				
	4.8	B	20	4.2				
	12	RGB	161	13.4				

RGBW DMX512

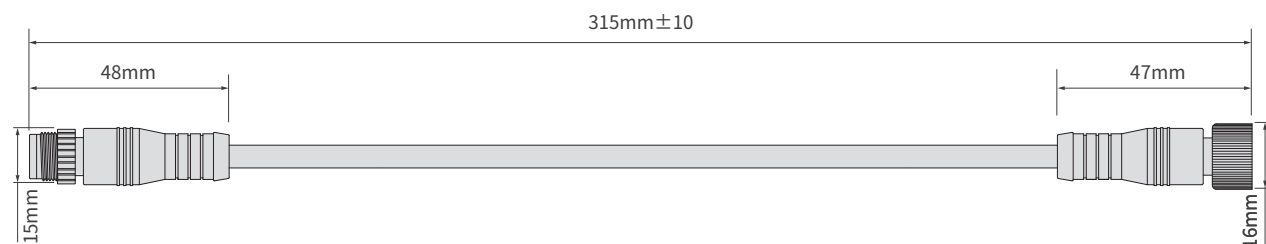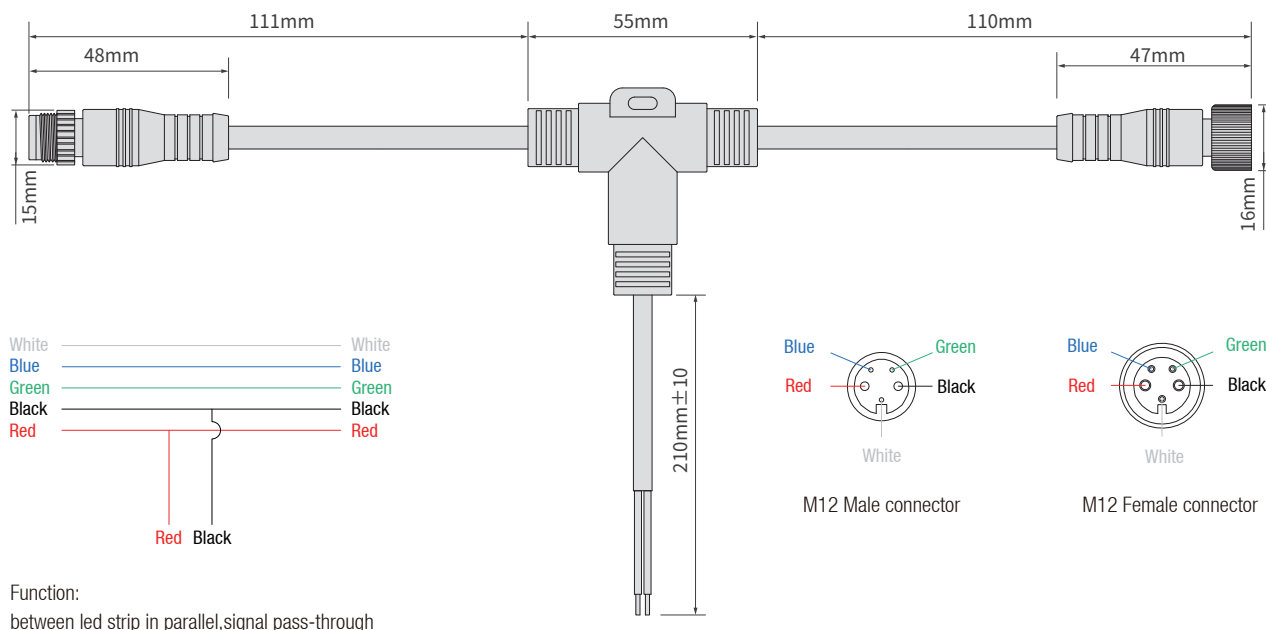| Voltage (V)	Power (W/M)	CCT/Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Unit length (mm)	Signal Type	IC Model
DC24V	4.8	R	28	5.8	8	125	DMX512	UCS512C2L
	4.8	G	80	16.7				
	4.8	B	16	3.3				
	4.8	W(4000K)	96	20.0				
	15	RGBW	211	14.1				
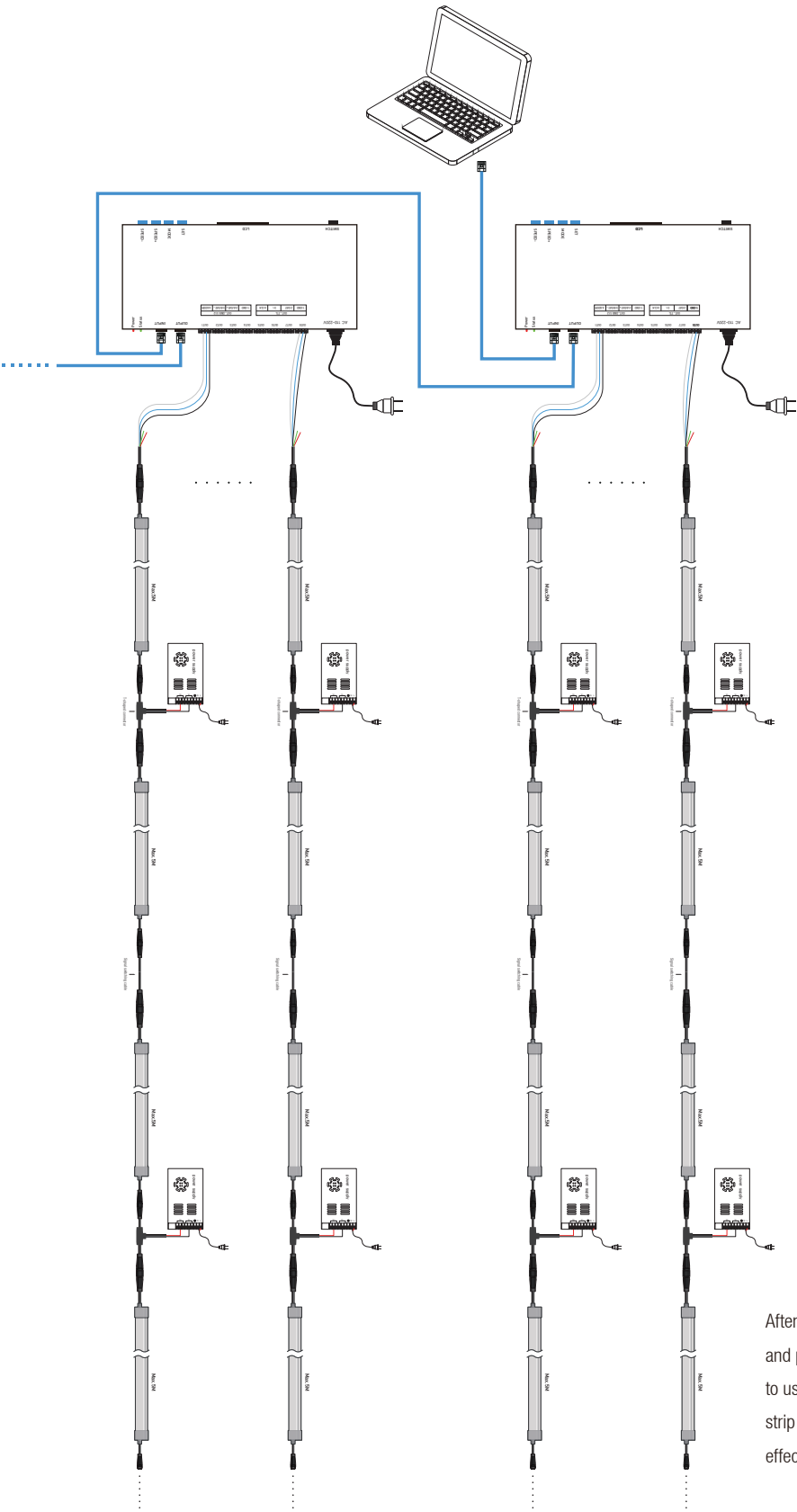
After the led strip is connected to the signal wire and power supply wire correctly, It is necessary to use a controller or corder to address the led strip ,then the controller can run the control effect program.

T−type 3 channel connector

111mm 55mm 110mm

48mm 47mm

15mm 16mm

210mm±10

White	White
Blue	Blue
Green	Green
Black	Black
Red	Red

Red Black

Function:
between led strip in parallel,signal pass-through

Blue — Green
Red — Black
White

M12 Male connector

Blue — Green
Red — Black
White

M12 Female connector

315mm±10

48mm 47mm

15mm 16mm

Signal switching cable

Blue — Green
NC — Black
White

M12 Male connector

Blue — Green
NC — Black
White

M12 Female connector

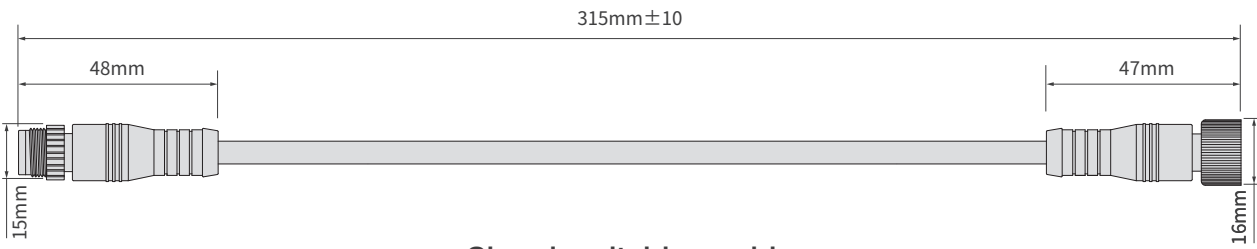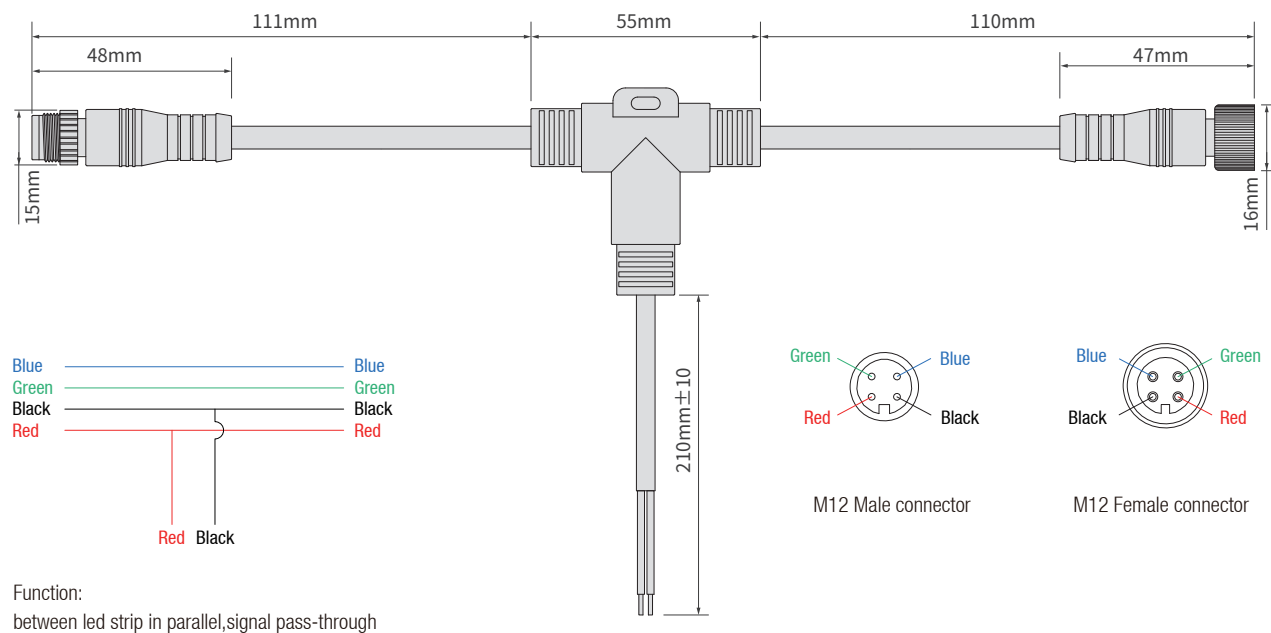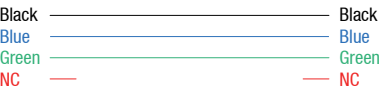| White | White |
Blue	Blue
Green	Green
Black	Black
NC	NC

Function:
Keep the signal cable connected in series;
The positive terminal of the power supply is disconnected (avoid two power supplies connected in parallel).
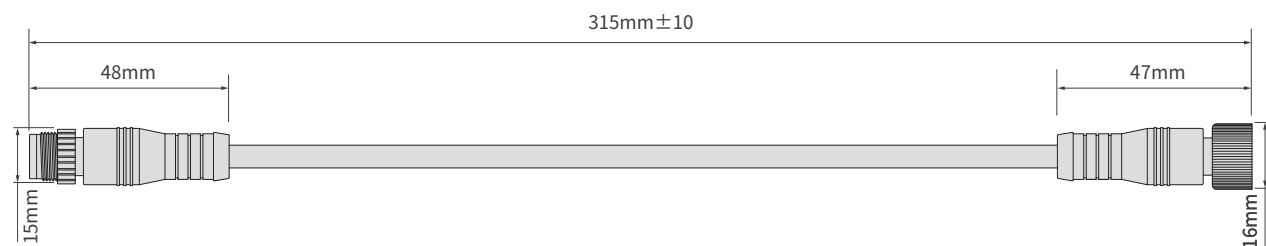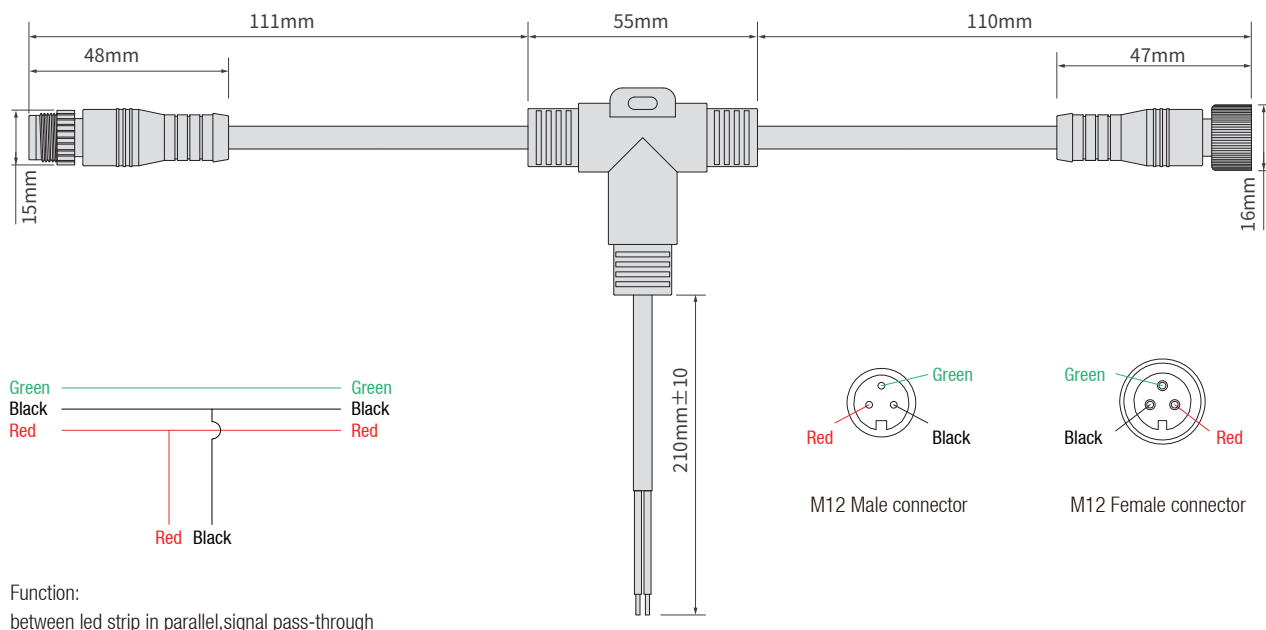
T—type 3 channel connector

111mm
48mm
55mm
110mm
47mm

15mm
16mm

210mm±10

Blue — Blue
Green — Green
Black — Black
Red — Red

Red   Black

Function:
between led strip in parallel,signal pass-through

Green — Blue
Red — Black

M12 Male connector

Blue — Green
Black — Red

M12 Female connector

315mm±10
48mm
47mm

15mm
16mm

Signal switching cable

Green — Blue
NC — Black

M12 Male connector

Blue — Green
Black — NC

M12 Female connector
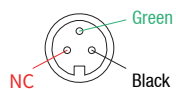
Black — Black
Blue — Blue
Green — Green
NC — NC

Function:
Keep the signal cable connected in series;
The positive terminal of the power supply is disconnected (avoid two power supplies connected in parallel).
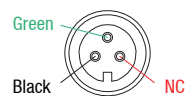
T—type 3 channel connector

111mm | 55mm | 110mm

48mm | 47mm

15mm | 16mm

210mm±10

Green —————————————— Green
Black —————————————— Black
Red ———————————————— Red

Red | Black

Green
Red | Black

M12 Male connector

Green
Black | Red

M12 Female connector

Function:
between led strip in parallel,signal pass-through

315mm±10

48mm | 47mm

15mm | 16mm

Signal switching cable

Green
NC | Black

M12 Male connector

Green
Black | NC

M12 Female connector

Black ————————————— Black
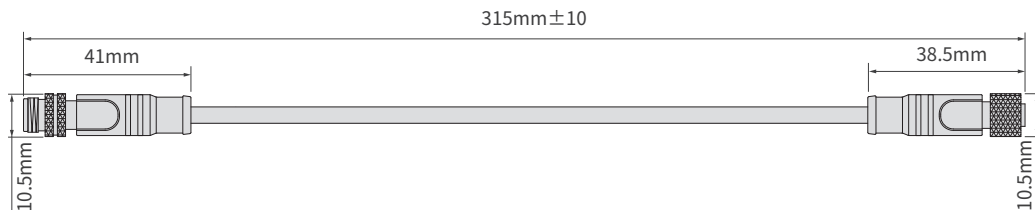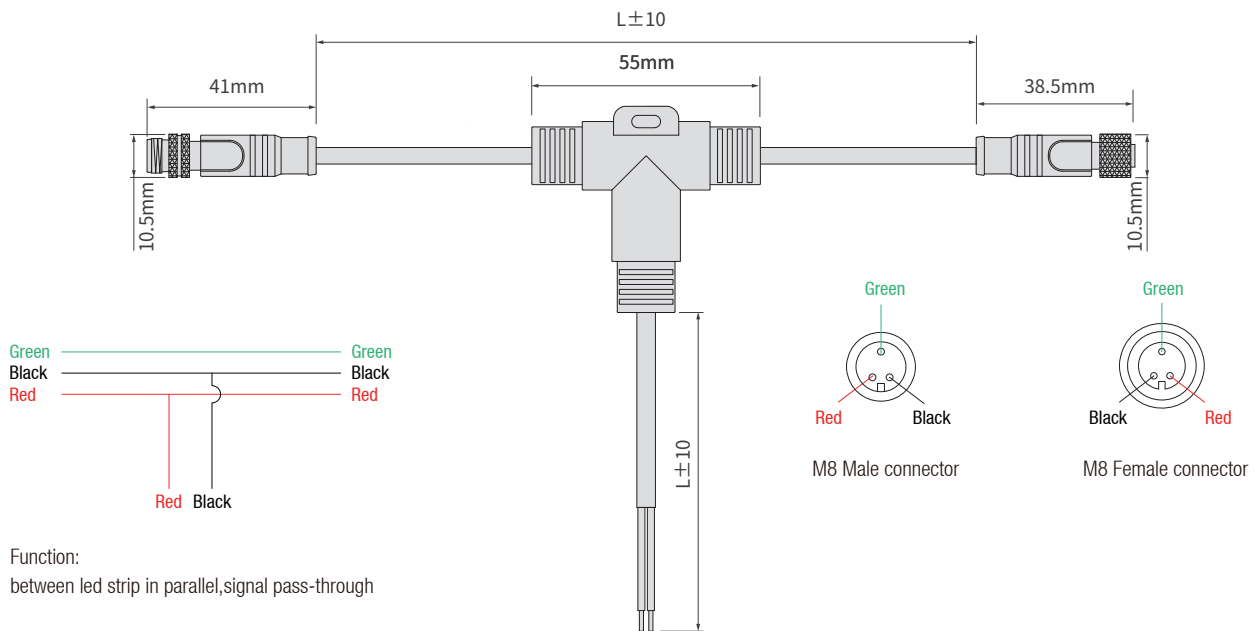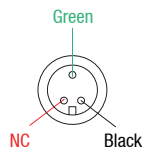Green ————————————— Green
NC —— —— NC

Function:
Keep the signal cable connected in series;
The positive terminal of the power supply is disconnected (avoid two power supplies connected in parallel).
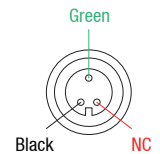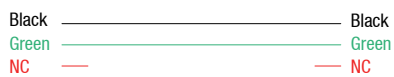
T-type 3 channel connector

L±10

55mm

41mm

38.5mm

10.5mm

10.5mm

L±10

Green — Green
Black — Black
Red — Red

Red Black

Green

Green

Red   Black

Black   Red

M8 Male connector

M8 Female connector

Function:
between led strip in parallel,signal pass-through

315mm±10

41mm

38.5mm

10.5mm

10.5mm

Signal switching cable

Green

Green

NC   Black

Black   NC

M8 Male connector

M8 Female connector

Black — Black
Green — Green
NC — NC

Function:
Keep the signal cable connected in series;
The positive terminal of the power supply is disconnected (avoid two power supplies connected in parallel).