

RELEASE LEVEL: [- - - -]
FILE NAME:

Wiring Description

CN1	Color	Core Wire	CN2
1	Brn/Wht	24AWG	1
2	Gray	24AWG*1P	2
3	Purple		3
4	Wht/Blk	Twine	4
5	Yellow	24AWG	5
6	Pur/Wht	24AWG	6
7	Red	24AWG	7
8	Black	24AWG	8
9	Green	24AWG	9
10	Orange	24AWG	10
11	Blue	24AWG	11
12	Brown	24AWG	12
Shell	White	Braid	13

Cable Structure Description

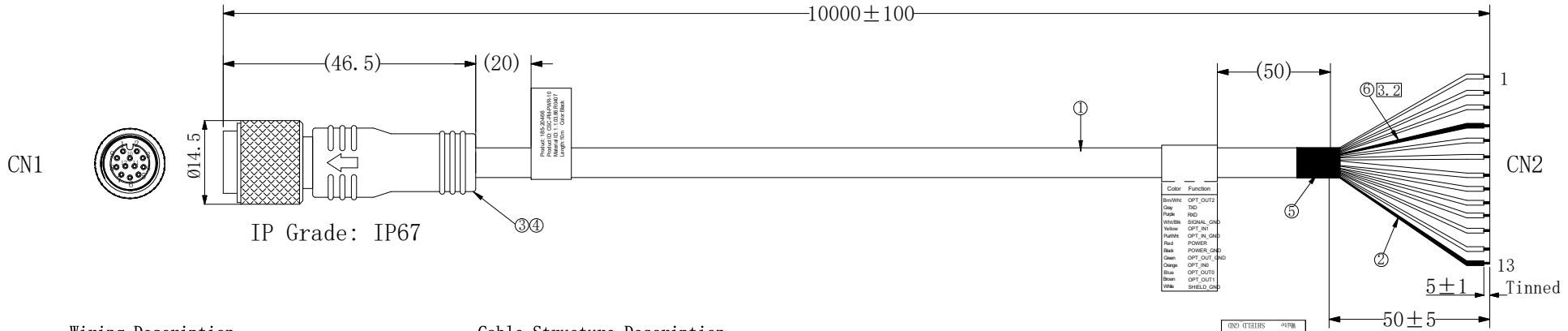
Conductor	Specification	24AWG	24AWG
	Material	Bare Copper Wire	Bare Copper Wire
	Copper Wire No.	11	11
	Diameter	0.16±0.012mm	0.16±0.012mm
Insulation	Material	105°C(221°F)PVC	105°C(221°F)PVC
	Nominal Thickness	0.2mm	0.2mm
	Min. Thickness	0.18mm	0.18mm
	External Diameter	1.1±0.1mm	1.1±0.1mm
	Color	Gray, Purple	Yellow, Pur/Wht, Red, Black, Green, Orange, Blue, Brown, Brn/Wht
GND Wire	Material	Bare Copper Wire	/
	Copper Wire No.	7	/
	Diameter	0.16±0.012mm	/
Structure	Semi-Finished Cable	Core Wire×2+S	/
Warping Tape	Material	Aluminum Foil	/
Inner Sheath	Material	80°C(176°F) PVC	/
	Nominal Thickness	0.2mm	/
	Min. Thickness	0.16mm	/
	External Diameter	2.9±0.2mm	/
	Color	Black	/
Finished Cable	Structure	Composite Core Wire×1+Core Wire×9	
Warping Tape	Material	Aluminum Foil	
Shielding	Material	Tinned Copper Wire	
	Shielding Rate	≥65%	
	Material	80°C (176°F) PVC	
Sheath	Nominal Thickness	0.51mm	
	Min. Thickness	0.44mm	
	External Diameter	7.5±0.3mm	
	Color	Black	

Technical Requirements

- The surface of the product must not be contaminated to avoid oxidation.
- This product must undergo open-circuit, short-circuit and misalignment tests.
The electrical testing conditions are as follows:
 - Voltage: DC 500V
 - Insulation Impedance: ≥20MΩ
 - Conduction Impedance: ≤3Ω
- Environmental Protection and Safety Regulation Requirements
 - The components of this product must comply with the latest requirements of the ROHS2.0&REACH.
 - This product must comply with the requirements of the UL20276. Flame Retardant Rating: VM-1
 - Rated Voltage: 30V Rated Temperature: 80°C (176°F)

REVISIONS

REV	ZONE	MARK	DESCRIPTION	DATE	CHANGED
A01	N/A	N/A	First Release	2026.03.06	Baoping W.



32	19
Product: 185-20466 Product ID: CSC-FM-PWR-10 Material ID: 1.1.03.86.R0407 Length: 10m Color: Black	Product: 185-20466 Product ID: CSC-FM-PWR-10 Material ID: 1.1.03.86.R0407 Length: 10m Color: Black

Color	Function
Brn/Wht	OPT_OUT2
Gray	TSD
Purple	SIGNAL_GND
Wht/Blk	OPT_IN1
Yellow	OPT_IN_GND
Pur/Wht	POWER
Red	POWER_GND
Blk	OPT_OUT_GND
Green	OPT_IN0
Orange	OPT_OUT0
Blue	OPT_OUT1
Brown	SHIELD_GND
White	SHIELD_GND

⑥	White Sleeve with a Black Line, OD:1.5mm L:50mm	1	PC
⑤	Black Sleeve , OD:9.0mm L:30mm	1	PC
④	PUR, Balck, Shore 70A	8	g
③	M12-12 A CODE, Aviation Type, Female Connector	1	PC
②	White Heat-Shrinkable Tube, OD:1.5mm L:50mm	1	PC
①	{ (24AWG*9C+ (24AWG*1P+S) } +EB, TPE, Black, OD:7.5	1	PC

NO.	DESCRIPTION	Q' TY	UNIT
.X	±0.2	ANG	±0.5
.XX	±0.01	ANG	±0.5
.XXX	±0.001	ANG	±0.5
CHKD:	DATE:	FINISH:	
STAD: N/A	DATE: N/A	MASS (Kg):	REV PART NO.:
APPD:	DATE:	SCALE:	A01
PRODUCT:	MAT'L:		SHEET: 1 OF 1