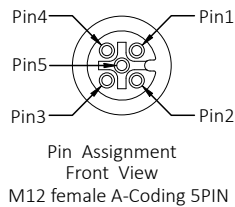
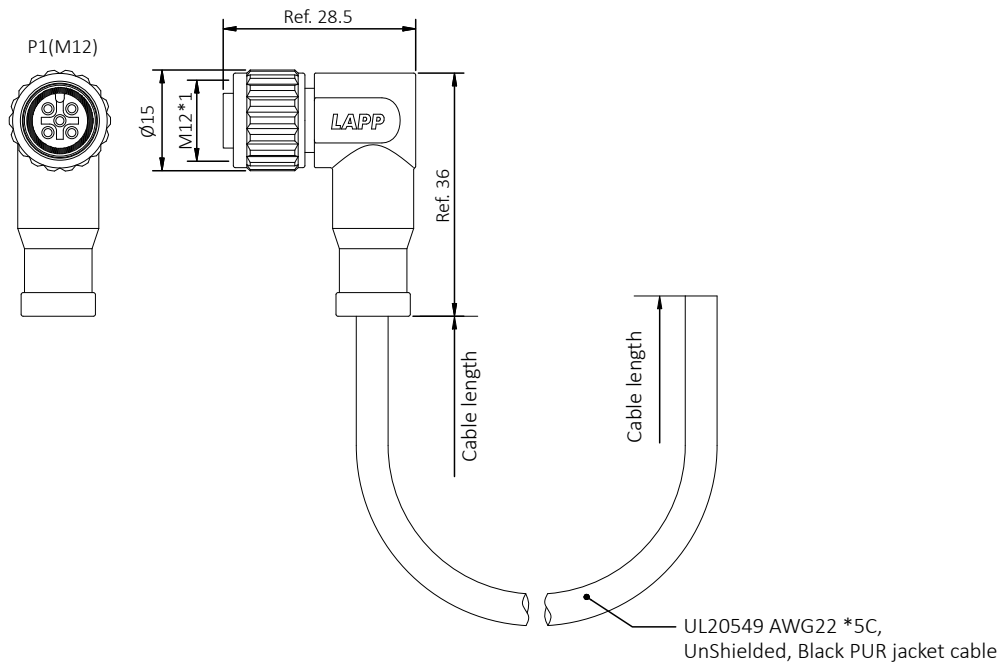


Revision	Description	ECO NO.	Date
A/0	First release	---	Oct. 21, 2025



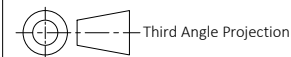
Wire List

PIN 1	Brown (AWG 22)
PIN 2	White (AWG 22)
PIN 3	Blue (AWG 22)
PIN 4	Black (AWG 22)
PIN 5	Gray (AWG 22)

NOTES:

1. Production process and inspection referenc standard IPC-WHMA-A-620D .
2. Product packaging is in accordance with CF-SOP-048 standard.

Technical data 技术参数		
Mechanical and Electrical	Reference standard	IEC 61076-2-101
	Rated current	4A
	Rated voltage	60V
	Impulse voltage	1500V
	Contact resistance	≤5mΩ
	Insulation resistance	≥100MΩ
	EMC Shielding	UnShielded
	Locking system	M12 x 1.0mm screw
Material	Tightening torque	Recommended : 0.4 Nm Max : 0.8 Nm
	Male contact	Non
	Female contact	Phosphor bronze
	Contact plating	Au (Gold)
	Insert	TPU+GF, Black
	Overmold	TPU, Black
	Screw nut	Brass, CNC
	Screw nut plating	Nickel plated
Cable	O-ring	FKM
	Cable style	UL20549
	Conductor material	Stranded Tinned Copper
	Conductor cross-section	5C*22AWG
	Wire colors	Brown, White, Blue, Black,Grey
	Shielding	Non
	Sheath/ insulation material	PUR, Black
	Outer diameter	Ø5.2± 0.15mm
Environmental	Drag chain bending	Non
	Cable length	2000 ⁺¹⁰⁰ ₋₂₀ mm (Excluding connectors)
	Rated temperature 温度范围	Static : -40 ~ 80℃
		Dynamic : -25 ~ 80℃
	Protection degree	IP67
	Environmental Compliance	ROHS
Pollution degree		3



Third Angle Projection



Drawing No.	A99516700-CA0029	Part number	MC05C2RSAB22RK20	Part Name	M12 connector 5Pol, A-Coding, female with 2m PUR cable		
CONFIDENTIAL This drawing and the specifications contained herein are the property of Cableforce Electronics Co., Ltd. It may not be reproduced or used in whole or in part for manufacture or sale of products without Cableforce's written permission.		Unless Otherwise Specified	Scale	1.5:1	APPROVAL		Date
		Linear 0.5~6 >6~30 >30	±0.1 ±0.2 ±2%	Unit	mm	Drawn by	Jason Li
		Angles	±3°	Page	1/1	Checked by	
				Customer Approval			
						Oct.21, 2025	