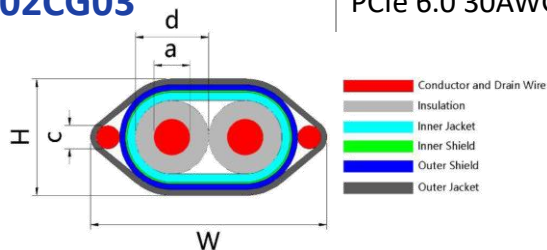




IP3002CG03

PCIe 6.0 30AWG 85Ω 1Pairs Raw Cable



CONSTRUCTION

Conductors	30 AWG Silver Plated Copper 0.28±0.02 mm
Core Insulation	Fluoroplastic 0.54mm (reference)
Parallel Insulation	Fluoroplastic
Inner Shield	Composite Mylar
Outer Shield	Composite Mylar
Drain wire	36 AWG Tinned Copper 0.14±0.02 mm
Covering	Polyester Mylar
Size	1.83±0.1 x 1.03±0.06mm

APPLICABLE STANDARD

UL Style	22395
Flame Test	VW-1
Material and Construction	UL 758

Marking

E52534 AWM STYLE 22395 105°C 30V 30AWG PCIe6.0-D F2A 85ohm VW-1 KINGSIGNAL RBXXXW YYMMDDTTTT

* XX is the machine number, W is the origin code, YYMMDD is the year, month, and day, TTTT is the hour and minute in 24-hour format, and the printing spacing is 450±50mm*

Packaging

Ø300mm Plastic Reel

Electrical Performance (at 20°C)

Conductor DC Resistance: 347 Ohms/km Maximum

Insulation Resistance: 100 Mohms.km Minimum

Withstand Voltage: 500 Vac/min

Environmental Compliance: RoHS 2.0 / HF

Signal Integrity Performance

Differential Impedance: 85±50ohm; Intra Pair Skew: ≤3ps/m; Test Length: 3M

S-Parameter	GHz	dB/m	
		TYP	MIN
SDD21	2	-1.9	-2.2
	4	-2.6	-2.8
	6	-3.2	-3.4
	8	-3.6	-3.8
	10	-4.0	-4.2
	12	-4.4	-4.6
	14	-4.8	-5.0
	16	-5.1	-5.4
	18	-5.5	-5.8
	20	-5.9	-6.2
SCD21	0.05~24	≤- 24	
	0.05~16	≤- 10	
	16~24	≤-14.9728+0.3108*f	
	0.1-2	≤-15	
SDD22	2~8	≤- 0.833*(20-f)	
	8~16	≤- 10	
	16~20	≤- 30-1.25*f	
	20~24	≤- 5	

Revision History

Version	Date	Editor	Issue
V00	2025/7/9	Plus	release

Edit/Confirm/Approval

Edit	Confirm	Approval
Plus	Hsieh Yu Chih	Joe

Customer Approv /Date

Customer	Date