



IP3002CDXX

PCIe 5.0 32GT/s 30AWG Silver Plated Copper




CONSTRUCTION

Conductors	30 AWG Silver-Plated Copper
Insulation	Fluoroplastic
Shield	Hot melt Aluminum Mylar
Drain wire	34AWG Tinned Copper
Outer Covering	Hot melt Polyester Mylar

APPLICABLE STANDARD

UL Style	20744 / 21940 / 22431 / 22082
Flame Test	FT2 / VW-1 (Under Development)
Material and Construction	UL 758

Marking

E150612  AWM STYLE 20744 80C 30V 30AWG
PCIe5.0 85ohm FT-2 YYMMDDTTTT

Packaging

Plastic Reel

Physical & Electrical Characteristics (at 20°C)

Voltage rating	30V
Temperature rating	80°C (105°C for 22082)
Conductor DC resistance	≤ 376 Ω/km
Dielectric strength	0.5 KV /min
Insulation resistance	≥ 100 MΩ•km
Impedance	85+/-5 Ω
Intra pair skew	<10ps/m Tr:22.3ps(10%~90%)

Transmission Performance (at 20°C)

Frequency Range (GHz)	Attenuation (dB/m max)
0.01 - 8.0	-4.2
8.0 - 12.89	-5.6
12.89 - 13.28	-5.9
13.28 - 16.0	-6.6
16.0 - 20.0	-7.7

There is no suck out up to 24G
SCD21 (Max.)(dB/3.0m) -22dB(0.01 to 24.0GHz)