



• Features

- HBR3 support up to 8.1Gbps/channel
- Supports resolution 4K120fps and 8K60fps
- Add support for Display Stream Compression (DSC) encoding technique and HDR10.
- Robust shield design for extra EMI protection.
- Short plug fixture for install friendly

• Applications

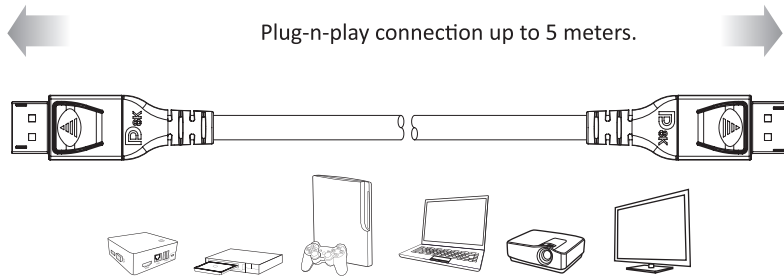
INPUT

- Graphic Cards
- Gaming Devices
- Industrial Equipments
- Medical Equipments

Plug-n-play connection up to 5 meters.

OUTPUT

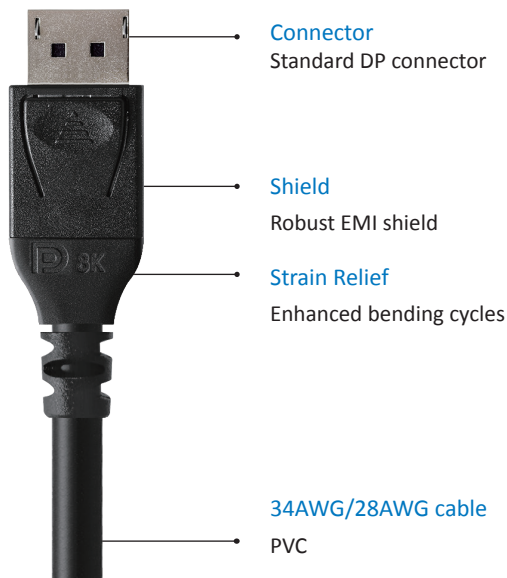
Monitor



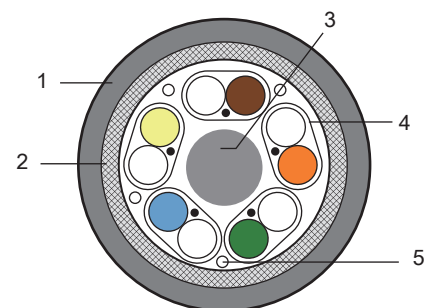
• Specification

| DisplayPort Signal Support | |
|----------------------------|--|
| DP Standards | DP 1.4 HBR3 (32.4Gbps) |
| Video Format | 8K / 4K, 120fps / 60fps, 30 bit RGB color, HDR |
| Data Rate | 32.8Gbps |
| Supports | DSC, Forward Error Correction, HDR10 |
| Connector | Standard DisplayPort Connector |
| Audio Support | Uncompressed 24bit, 192kHz PCM |

| Physical Properties | |
|---------------------|---------------------------|
| Power | No external power |
| Op. Temp. | 0°C to 80 ° C |
| Humidity | 0%~95% RH |
| Bending Radius | 34AWG 8.5mm 28AWG 14mm |
| Pulling Force | 12kg |



• Construction



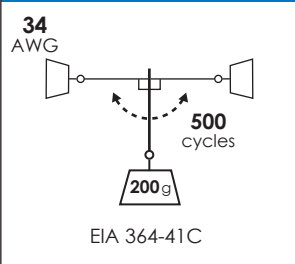
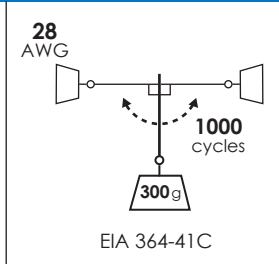
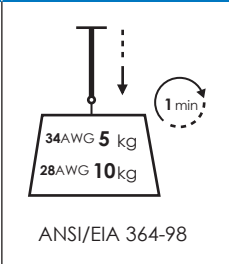
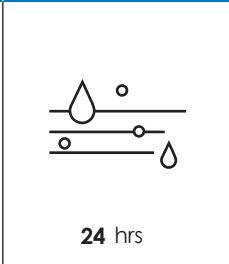
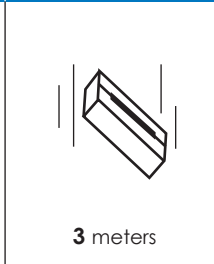
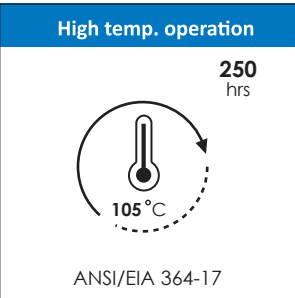
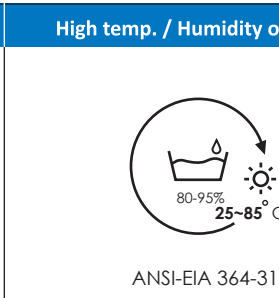
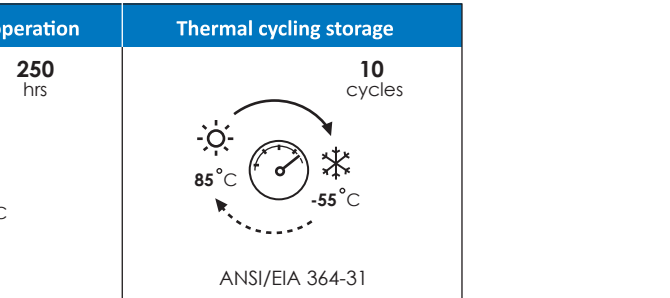
- | | |
|----------------|----------------|
| 1 Jacket | 5. Signal wire |
| 2 Braiding | |
| 3 Filler | |
| 4 Twisted pair | |

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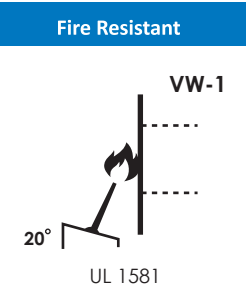
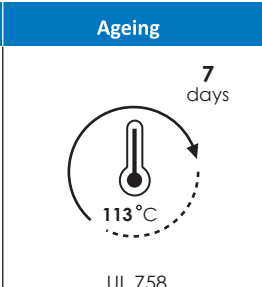


• Reliability Tests

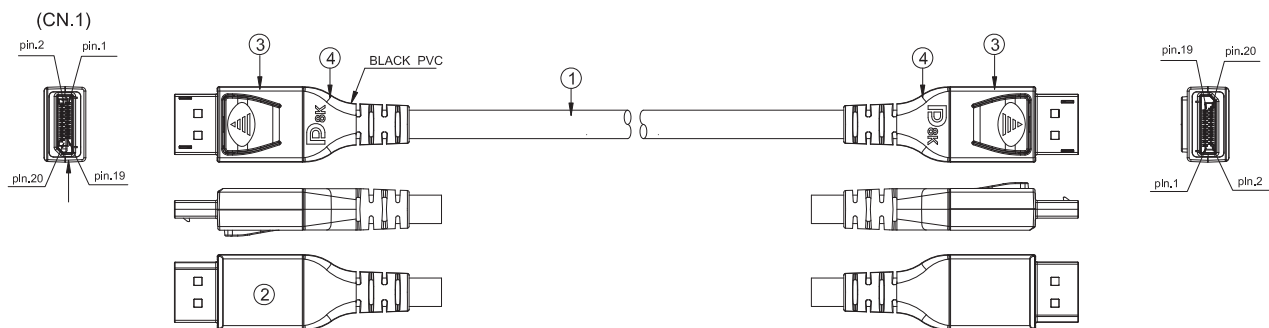
Assembly

| Bending | | Cable pull-out | Salt mist | Drop |
|---|--|---|--|---|
|  <p>34 AWG 200g 500 cycles EIA 364-41C</p> |  <p>28 AWG 300g 1000 cycles EIA 364-41C</p> |  <p>34AWG 5 kg 28AWG 10 kg 1 min ANSI/EIA 364-98</p> |  <p>24 hrs</p> |  <p>3 meters</p> |
| High temp. operation | High temp. / Humidity operation | Thermal cycling storage | | |
|  <p>250 hrs 105°C ANSI/EIA 364-17</p> |  <p>250 hrs 80-95% 25-85°C ANSI-EIA 364-31</p> |  <p>10 cycles 85°C -55°C ANSI/EIA 364-31</p> | | |

Raw Cable

| Fire Resistant | Ageing |
|---|--|
|  <p>VW-1 20° UL 1581</p> |  <p>7 days 113°C UL 758</p> |

• Form

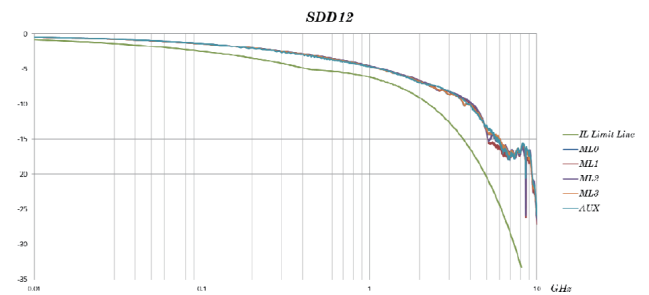
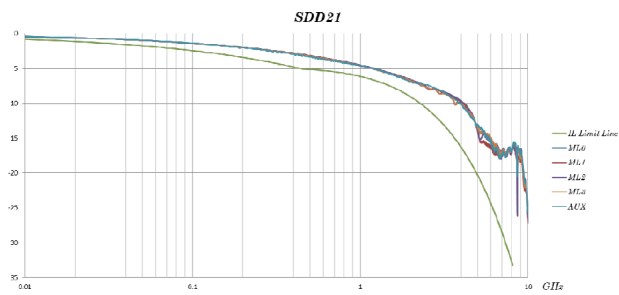


1. VW-1 fire-rating cable
3. ABS plug with special latch design

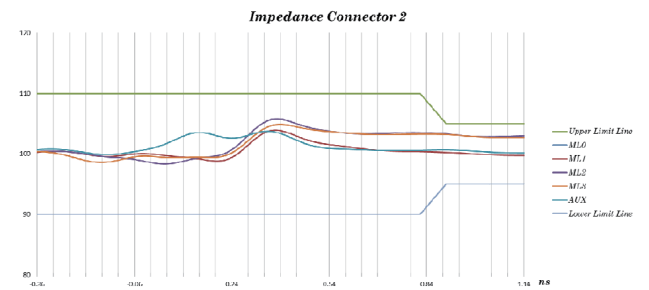
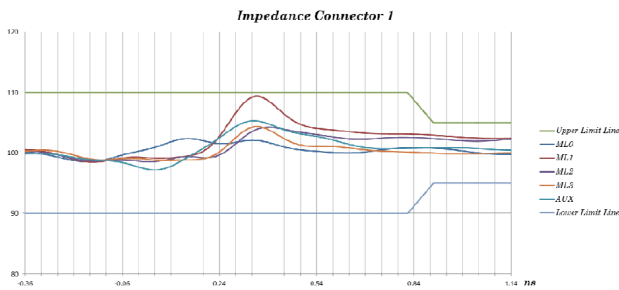
2. Area for silkscreen Logo
4. Strain relief with DP 8K in-mold logo

• Electrical Properties

Insertion Loss



Impedance



• Certification

Cable Assemblies

PI5010-010, 34AWG, 8K,HBR3

PI5010-015, 34AWG, 8K,HBR3

PI5010-020, 34AWG, 8K,HBR3

PI5010-030, 28AWG, 8K,HBR3

PI5010-040, 28AWG, 8K,HBR3

PI5010-050, 28AWG, 8K,HBR3

(<https://www.vesa.org/displayport-developer/certified-components/>)