# 6000 Series - HDMI Buccaneer

The 6000 HDMI Buccaneer Series offers robust and high performance connectivity solutions tailored for demanding industrial environments.
Rated IP69K when mated, ensuring superior protection against high-pressure and high-temperature water jets.

30° twist locking
Tamperproof lock prevents accidental un-mating

IP68 and IP69K when mated
Suitable for a wide range of dust and water borne environments

Independent sealing tests
IP Ratings independently verified

Plug and play capability
Hot pluggable

Single and double ended cables

Push-pull latching system
Secure, instant latching. Quick connector mating and release

Visual mating indication
Alignment indicator reduces risk of damage during mating

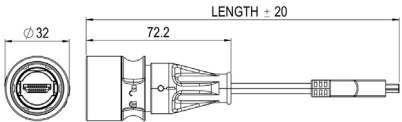EN60068-2-52 Test Kb Salt Mist (Cyclic)
Marine Severity Level 1

# 6000 Series - HDMI Buccaneer

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an INFINIT8 brand

HDMI Cord Flex Connector – Single Ended

- Mates with front panel mount connectors
- 30° twist locking
- Overmounded cable assemblies
- IP68 HDMI connector to standard HDMI connector
- Available in 2m, 3m & 5m lengths

PXP6060

Ø 32    LENGTH ± 20    72.2

| Part no | Type | Length | Description |
|---------|------|--------|-------------|
| PXP6060/2M00 | Single ended | 2m | IP68 HDMI male to standard HDMI male |
| PXP6060/3M00 | Single ended | 3m | IP68 HDMI male to standard HDMI male |
| PXP6060/5M00 | Single ended | 5m | IP68 HDMI male to standard HDMI male |

HDMI Cord Flex Connector – Double Ended

- Mates with front panel mounting connectors
- Overmounded cable assemblies
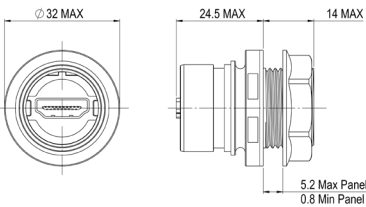- IP68 HDMI connector
- Available in 2m, 3m & 5m length

PXP6061

Ø 32    LENGTH ± 20    72.2
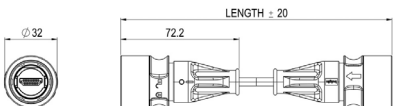
| Part no | Type | Length | Description |
|---------|------|--------|-------------|
| PXP6061/2M00 | Double ended | 2m | IP68 HDMI male to IP68 HDMI male |
| PXP6061/3M00 | Double ended | 3m | IP68 HDMI male to IP68 HDMI male |
| PXP6061/5M00 | Double ended | 5m | IP68 HDMI male to IP68 HDMI male |

# 6000 Series - HDMI Buccaneer
Thermo-plastic version

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Front panel mounting HDMI connector

- Mates with all 6000 Series HDMI flex connectors
- Standard HDMI Female socket on rear
- Single hole fixing
- IP68 when mated
- Complete with panel sealing gasket

PXP6062

⌀ 32 MAX　　24.5 MAX　　14 MAX

5.2 Max Panel
0.8 Min Panel

| Part no | Description | Fixing |
|---|---|---|
| PXP6062 | HDMI Coupler | Front panel mounted. Sealed IP68 at front, standard HDMI at rear |

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Front panel mounting HDMI connector

- Mates with all 6000S HDMI flex connectors
- Standard HDMI Male plug on rear
- Single hole fixing
- IP68 when mated
- Complete with panel sealing gasket

PXP6062

⌀ 32 MAX　　24.5 MAX　　14 MAX　　1000 ± 20

5.2 Max Panel
0.8 Min Panel
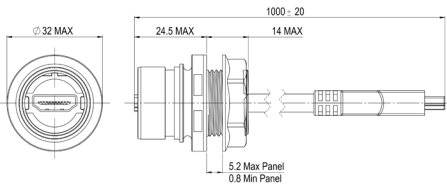
| Part no | Description | Fixing |
|---|---|---|
| PXP6062/1M00 | HDMI Panel Mount with 1m Lead | Front panel mounted. Sealed IP68 at front, standard HDMI male at rear |

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Sealing Caps



PXP6081 & PXP6083

- Sealing caps to maintain IP rating when connectors are not in use
- PXP6081 for all cable connectors
- PXP6083 for front panel mount connectors with 30°twist lock



31.5   125.0 CRS   Ø32.0   PXP6081

36.50   100.0 CRS   Ø32.00   PXP6083
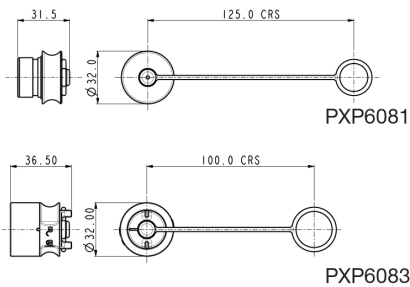
| Part no | Description |
|---------|-------------|
| PXP6081 | Sealing Cap for plastic Flex cable connectors |
| PXP6083 | Sealing Cap for plastic front panel mounting connector |

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| PXP | / | 6XXX | / | XXXX |
|-----|---|------|---|------|

**Series Designation**

**Series / Body Style**

060 = Single Ended
061 = Double Ended
062 = Front Panel Mount

**Cable Length**

Blank = With adaptor (PXP6062 only)
1M00 = 1 metre lead (PXP6062 only)
2M00 = 2 metre cable length
3M00 = 3 metre cable length
5M00 = 5 metre cable length

# 6000 Series - HDMI Buccaneer

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## Connectors

### Mechanical
| | |
|---|---|
| Sealing | IP69K, DIN40050-9 |
| | IP68, EN60529:1992+A2:2013 |
| | (10m depth for 2 weeks) |
| | EN60529:1992+A2:2013 |
| | |
| Salt Mist: | EN60068-2-52 Test Kb Salt Mist |
| | (Cyclic) Marine Severity Level 1 |

### Operating Temperature Connectors
| | |
|---|---|
| Overmoulded patchcords | 0°C to +70°C |

### Materials - Overmoulded
| | |
|---|---|
| Overmould material | PVC (black) |
| Flammability rating | UL94V-0 |

### Materials - Panel Connectors
| | |
|---|---|
| Shell material | Steel |
| Shell plating | Nickel |
| Contacting material | Brass |
| Contact plating | Tin & Gold |
| Connector body & locking ring | PC/PBT |
| Panel connector | PC/PBT |
| Flammability rating | UL94V-0 |
| 'O' rings | Silicone |
| Panel Gasket - round | Silicone |
| Mating cycles | 1,000 |
| RoHS | Compliant |

### Materials - Cable
| | |
|---|---|
| Cable Jacket | PVC (Black) |
| Braid | Aluminium-Magnesium Alloy |
| Screen Foil | Aluminium Foil |
| Insulation | HDPE and F-PE |
| Drain Wire | Tin Copper Alloy |
| Flammability Rating | UL94V-0 |

| Length | Dia | Conductor Signal | Conductors Power |
|---|---|---|---|
| 2m | 6.0mm | 4 x 30AWG | 5 x 30AWG |
| 3m | 6.0mm | 4 x 30AWG | 5 x 30AWG |
| 5m | 7.3mm | 1 x 28AWG | 4 x 28AWG |
| | | 3 x 30AWG | 1 x 32AWG |

## PCB adaptor leads

### Electrical
| | |
|---|---|
| No. of conductors | 19 |
| Current rating | 0.5A |
| Voltage rating | 30V AC (RMS) |
| Contact resistance | 40mΩ max. |
| Withstanding Voltage | 500V AC RMS |
| | |
| Performance | Ultra High |
| | Speed HDMI™ |
| | Cable with Ethernet |

### Cable construction - PXP6060, PXP6061 and PXP6062