

DATA SHEET



3ft and 6ft DisplayPort™ Male to Female Extension Cable

Extend a DisplayPort cable to support a digital audio/video connection

OVERVIEW

This DisplayPort Male to Female Extension Cable is an ideal solution for adding length to an existing DisplayPort cable or extending the DisplayPort output of a computer or display. This extension cable supports High Bit Rate (HBR) bandwidth DisplayPort cables that carry up to a 8K UHD (7680 x 4320) resolution. Built to DisplayPort 1.4 standards, this cable meets the requirements of high performance applications.

Note: This extension cable is not designed to be used with a DisplayPort adapter converter or a DisplayPort adapter cable.

FEATURES

- DisplayPort Male to DisplayPort Female connection
- Supports a High Bit Rate (HBR) bandwidth
- Supports resolutions up to 8K UHD (7680 x 4320)
- DisplayPort 1.4 standards

ITEM DESCRIPTION

54450	3ft DisplayPort Male to Female Extension Cable
54451	6ft DisplayPort Male to Female Extension Cable

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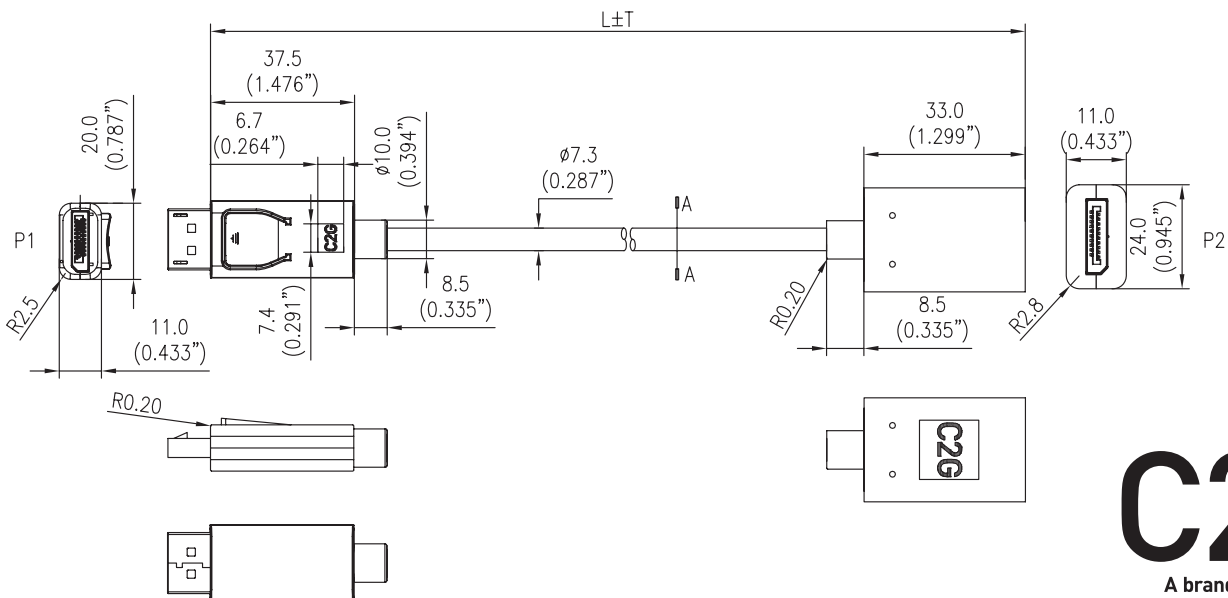
SPECIFICATIONS: DisplayPort™ Male to Female Extension Cable

ELECTRICAL SPECIFICATIONS:

- Voltage Rating: 30V
- Conductor Resistance: at 20°C max. 32AWG:588.85[OHM]/km; 30AWG:376.96[OHM]/km; 28AWG:237.25[OHM]/km
- Insulation Resistance: 10M[OHM]/km min at 20°C DC 500V
- Time Delay: 5.2ns/m(max.)
- Impedance: Pairs (differential mode) 100±5[OHM]
- Propagation Delay Skew: Intra pair max. 50ps/2M; Inter pair max. 4000ps/2M
- Attenuation(max.):
5.02dB@100-450MHz; 7.695dB@1GHz; 12.595dB@2GHz;
17.495dB@3GHz; 22.395dB@4GHz; 27.295dB@5GHz;
32.195dB@6GHz; 37.095dB@7GHz
- Return Loss(min.):
15.00@100-675MHz; 12.9@1GHz; 9.2@2GHz; 7.04@3GHz; 5.5@4GHz;
4.31@5GHz; 3.33@6GHz; 2.51@7GHz
- NEXT:
-26dB@0.1-1.35GHz; -23.44dB@2GHz; -20.80dB@3.0GHz;
18.93dB@4GHz; -17.48dB@5GHz; -16.29dB@6GHz; -15.28dB@7GHz
- FEXT: -26dB/cable@100-7000MHz(max.)

PHYSICAL SPECIFICATIONS:

- Connector 1:
DisplayPort 20P Male, Solder Type, Contacts: Gold Flash Plated, Housing: Black LCP, Shell: Nickel Plated (with latches)
- Connector 2:
DisplayPort 20P Female, Solder Type, Contacts: Gold Flash Plated, Housing: Black LCP, Shell: Nickel Plated
- Hood: Molded Black (Pantone/#Black 6C) PVC, UL94V-0, No Flash
- Minimum Ben Radius: R73mm
- Tensile Strength: Unaged: 1500PSI min. Aged: 70% min.
- Elongation: Unaged: 100% min. Aged: 65%
- Deformation Test: Max. 50%
- Flame Test: Pass VW-1
- Shield Type/Braid Coverage: 75%, A-M Alloy
- Jacket Material & Thickness: PVC 0.51mm Min. AVG
- Approvals: CE marked and conforms to 2011/65/EU ROHS 2



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