



LFH59(DMS59) Splitter Cables

- Comparable cable part numbers: HP-DL139A, PNY-91004086, Matrox-LFH60 DDVI-E/16029-0
- PC and Mac® compatible

Please Note: Because pin 58 is not populated on the LFH/DMS 59; our LFH-59 cable can also work for your LFH-60 applications.

Specifications: LFH59(DMS59) Splitter Cables

Electrical Characteristics:

Conductor Resistance:	28AWG - 237.25Ω/km at 20°C max. 30AWG - 376.96Ω/km at 20°C max.
Impedance:	100 ± 10Ω - Pairs 75± 5Ω - Coax Conductors
Capacitance:	60pf/m
Velocity of Propagation:	70%
Attenuation:	≤ 8.0dB at 825Mhz/5m < 27dB at 1-1000Mhz/15m
Signal Time Domain Crosstalk:	3% max.
Time Delay:	4.2ns/m
Time Delay Skew:	150ps/cable max. (within a pair) 2420ps/cable max. (between pairs)

Physical Characteristics:

Voltage Rating:	30V	Approvals:	RoHS Compliant
Temperature Rating:	80°C	Warranty:	Lifetime
Minimum Bend Radius:	85.00 ± 1.50mm	Package Type:	Polybag

Conductor (Qty. 3):

Conductor Type:	30AWG (7/0.10) Tinned Copper
Insulation:	Foam - PE+SKIN Avg. Thickness - 0.45mm O.D. - 1.37 ± 0.05
Spiral Shield:	36±2 / 0.12±0.008mm Tinned Copper
Covering:	PVC - Low Toxic Avg. Thickness - 0.20mm O.D. - 2.10 ± 0.10mm

Conductor (Qty. 4 pair):

Conductor Type:	28AWG (7/0.127) Tinned Copper
Insulation:	Foam - PE+SKIN Avg. Thickness - 0.25mm O.D. - 0.98 ± 0.05mm
Shield:	Aluminium Mylar 100% (face inside)
Drain Wire:	Mylar 100% 28AWG (7/0.127) Tinned Copper

Conductor (Qty. 1 pair and 6 conductors):

Conductor Type:	28AWG (7/0.127) Tinned Copper
Insulation:	HD-PE Avg. Thickness - 0.15mm O.D. - 0.70 ± 0.05mm

Connector:

Connector Type:	LFH-59 (DMS-59)
Contact Material:	Brass 30µm Gold Plating
Insulation:	Black PBT
Dimensions (HxWxD):	15.0 x 42.0 x 43.0mm

Overall Cable:

Braided Shield:	24AWG (9/0.120) Tinned Copper 85% coverage
Foil Shield:	Aluminium Mylar 100% (face outside)
Drain Wire:	28AWG (7/0.127) Tinned Copper
Jacket:	Mat PVC Low Toxic Avg. Thickness - 0.51mm O.D. 8.50 ± 0.15mm

*Note: 58th Pin is unloaded.

Connector:

Connector Type:	HD15 - Female
Contact Material:	Brass, Gold Flash
Insulation:	Black PBT
Dimensions (HxWxD):	15.0 x 41.0 x 47.5mm

Connector:

Connector Type:	DVI-I (24 + 4 + 1)
Contact Material:	Brass, Gold Flash
Insulation:	White PBT
Dimensions (HxWxD):	17.0 x 33.5 x 46.0mm

	Dual VGA	VGA and DVI
LFH59	81228	81226

