

LIGHTING CONTROL
DMX Lighting Control Cable



The Gepco® Brand DLC series lighting control cable is a true DMX cable with an exceptionally durable and flexible construction. The DLC224 and DLC222 meets the USITT standards for DMX512 cable specifications—120 Ω impedance, low capacitance, and double (foil and braid) shield. Unlike conventional cables that are not intended for data transmission, the DLC series offers reliable data transfer through its data-specific design. In addition, the DLC series features all-weather, extra-flexible jacket materials that are tough, abrasion-resistant and remain flexible in hot or cold temperature environments.

Features & Benefits

- True DMX512 Construction (DLC224 & DLC222)
- Low-Capacitance Data Pairs
- Double Shield (Foil & Braid)
- Drain Wire for Easy Shield Termination
- Color-Coded Conductors for Easy Identification
- Meets or Exceeds USITT Standards (DLC224 & DLC222)
- One- or Two-Pair Designs Available
- Durable, Flexible, All-Weather Jacket

Applications

- DMX512 Lighting Control (DLC224)
- Remote or Permanent Installation

Mechanical Specifications

Part #	# of Cond.	Nominal OD	Conductors	Insulation (Type, Wall, Color Code)	Shield	Drain Wire	Jacket	Approx. Weight
DLC122	2	0.245" (6.22 mm)	22 AWG (7x30) Stranded TC	Foam PE, 0.025" (0.635 mm), Black & White	100% Foil, 90% TC Braid	22 AWG (7x30) Stranded TC	Flexible Durable PU, Black	33 lbs/Mft (49 kg/km)
<i>DMX Lighting Control Cable: 1 Pair</i>								
DLC222	4	0.278" (7.06 mm)	22 AWG (7x30) Stranded TC	Foam PE, 0.025" (0.635 mm), Black & White, Red & Blue	100% Foil, 90% TC Braid	22 AWG (7x30) Stranded TC	Flexible Durable PU, Black	47 lbs/Mft (70 kg/km)
<i>DMX512 Lighting Control Cable: 2 Pair</i>								
DLC124	2	0.241" (6.12 mm)	24 AWG (7x32) Stranded TC	Foam PE, 0.020" (0.508 mm), Black & White	100% Foil, 90% TC Braid	24 AWG (7x32) Stranded TC	Flexible All-Weather TPE, Black	33 lbs/Mft (49 kg/km)
<i>DMX Lighting Control Cable: 1 Pair</i>								
DLC224	4	0.270" (6.86 mm)	24 AWG (7x32) Stranded TC	Foam PE, 0.020" (0.508 mm) Black & White, Red & Blue	100% Foil, 90% TC Braid	24 AWG (7x32) Stranded TC	Flexible All-Weather TPE, Black	44 lbs/Mft (66 kg/km)
<i>DMX512 Lighting Control Cable: 2 Pair</i>								

Electrical Specifications

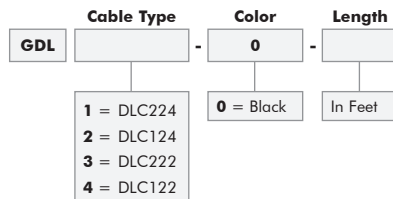
Part #	Capacitance	Characteristic Impedance	Cond. DCR	Shield & Drain DCR
DLC122	10.4 pF/ft Between Conductors 18.7 pF/ft Between One Conductor and Other Tied to Shield	120 Ω	14.7 Ω/Mft	3.2 Ω/Mft
DLC222	10.4 pF/ft Between Conductors 18.7 pF/ft Between One Conductor and Other Tied to Shield	120 Ω	14.7 Ω/Mft	2.5 Ω/Mft
DLC124	10.4 pF/ft Between Conductors, 18.7 pF/ft Between One Conductor and Other Tied to Shield	120 Ω	23.4 Ω/Mft	3.8 Ω/Mft
DLC224	10.4 pF/ft Between Conductors, 18.7 pF/ft Between One Conductor and Other Tied to Shield	120 Ω	23.4 Ω/Mft	2.9 Ω/Mft

Recommended Pinout for 5-Pin XLR:

- Pin 1 - Shield
- Pin 2 - Black
- Pin 3 - Red
- Pin 4 - Blue
- Pin 5 - White

Recommended Pinout for 3-Pin XLR:

- Pin 1 - Shield
- Pin 2 - Black
- Pin 3 - White



Connectors
Neutrik® 5-Pin XLRs, (1) Male NC5MX and (1) Female NC5FX
Neutrik® 3-Pin XLRs, (1) Male NC3MX and (1) Female NC3FX

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