



**Product:** [DLC224](#)

DMX Lighting Cable, 4 Cond, 24 AWG Stranded TC

### Product Description

Gepeco a Belden Brand, Flexible DMX512 Lighting Control Cable, 4 Conductor 24 AWG (7x32) stranded tinned copper, Foam PE insulation, foil shield plus 90% TC braid with 24 AWG stranded TC drain wire, all weather TPE jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	RS-485, DMX-512
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Conductors
24	7x32	TC - Tinned Copper	4

Conductor Count:	4
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##### Insulation

Material	Nominal Wall Thickness
PE - Polyethylene	0.022 in

##### Color Chart

Number	Color
1	Black
2	White
3	Red
4	Blue

##### Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24
Braid		Tinned Copper (TC)		90%		

##### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
TPE - Thermoplastic Elastomer	0.27 in	0.042 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	2.2 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
10.4 pF/ft	18.7 pF/ft

##### Impedance

**Nominal Characteristic Impedance**

120 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.6 dB/100m

**Delay**

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66%

**Current****Max. Recommended Current [A]**

2.1 Amps per Conductor at 25°C

**Voltage****UL Voltage Rating**

300 V RMS

**Temperature Range**

UL Temp Rating:	80°C
Operating Temperature Range:	-30°C To +80°C

**Mechanical Characteristics**

Bulk Cable Weight:	49 lbs/1000ft
Max. Pull Tension:	87 lbs
Min. Bend Radius/Minor Axis:	2.7 in

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

**Suitability**

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

**Plenum/Non-Plenum**

Plenum (Y/N):	No
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**Related Part Numbers****Variants**

Item #	Color	Put-Up Type	Length	UPC
DLC224.99	Black	Reel		612825406341
DLC224.41	Black	Reel	1,000 ft	612825391241

**History**

Update and Revision:	Revision Number: 0.133 Revision Date: 12-20-2022
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