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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**FORM 8-K**

**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported): October 15, 2024**

**Grayscale Digital Large Cap Fund LLC**

(Exact name of Registrant as Specified in Its Charter)

**Cayman Islands**  
(State or Other Jurisdiction  
of Incorporation)

**000-56284**  
(Commission File Number)

**98-1406784**  
(IRS Employer  
Identification No.)

**c/o Grayscale Investments, LLC**  
**290 Harbor Drive, 4th Floor**  
**Stamford, Connecticut**  
(Address of Principal Executive Offices)

**06902**  
(Zip Code)

**Registrant's Telephone Number, Including Area Code: 212 668-1427**

N/A

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Securities registered pursuant to Section 12(g) of the Act:**

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Grayscale Digital Large Cap Fund LLC Shares	GDLC	N/A

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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**Item 7.01 Regulation FD Disclosure.**

On October 15, 2024, pursuant to the provisions of Section 19(b)(1) of the Securities Exchange Act of 1934, and Rule 19b-4 thereunder, NYSE Arca, Inc. (the “Exchange”), filed a Form 19b-4 proposing to list and trade shares of Grayscale Digital Large Cap Fund LLC (the “Fund”) under NYSE Arca Rule 8.800-E (Commodity- and/or Digital Asset-Based Investment Interests). A notice of the proposed rule change for publication in the Federal Register was attached thereto as Exhibit 1.

## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Grayscale Investments, LLC as Manager of Grayscale Digital  
Large Cap Fund LLC

Date: October 15, 2024

By: /s/ Edward McGee

Edward McGee  
Chief Financial Officer\*

\* The Registrant is a fund and the identified person signing this report is signing in their capacity as an authorized officer of Grayscale Investments, LLC, the Manager of the Registrant.