

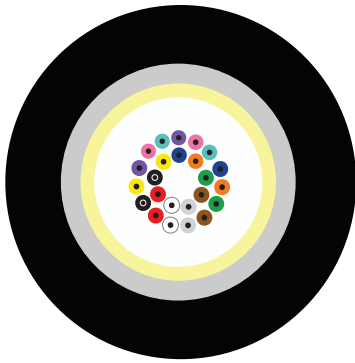
## PRODUCT SPECIFICATIONS

### Duct-Grade Unitube Cable, EuroClass Dca Cable

## Duct-Grade Unitube Cable, EuroClass Dca

### APPLICATION

Leviton Duct-Grade Unitube cables offer up to 24 fibers in a compact cable construction. The range is lighter and smaller than multi-loose-tube alternatives and offers a robust solution capable of withstanding standard installation practices. Duct-Grade Unitube cables are suitable for internal/external dry duct and internal cable tray installations, in building and campus backbone applications



### COUNTRY OF ORIGIN

UK

### WARRANTY INFORMATION

For Leviton product warranties, go to [Leviton.com/NS/Warranty](https://www.leviton.com/NS/Warranty)

### FEATURES & BENEFITS

- Customizable fiber selection including single-mode, multimode and hybrid versions to suit a variety of applications
- 2-24 fiber counts – color coded according to TIA-598-D
- Single gel-filled loose-tube to block the ingress of water
- Glass yarn armoring with high-tensile yarns to offer strength and basic rodent protection
- Black UV Stable Halogen-Free Flame-Retardant – Low-Smoke (HFFR-LS) jacket material suitable for indoor/outdoor installations
- Meets the requirements of Construction Products Regulation (CPR) EuroClass Dca

### STANDARDS & REGULATIONS

- ISO/IEC 11801
- IEC 60794
- BS EN 50173-1
- IEC 60794-1-21
- IEC 60794-1-22
- IEC 60794 -1-22-F5C (up to inner sheath only)

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**TECHNICAL SPECIFICATIONS**

**Construction**

|               |            |
|---------------|------------|
| Type of cable | Loose Tube |
|---------------|------------|

**Usage Characteristics**

|                       |                                      |
|-----------------------|--------------------------------------|
| Temp. (Storage):      | -20 °C to +60 °C (-4 °F to +140 °F)  |
| Temp. (Installation): | -10 °C to +60 °C (+14 °F to +140 °F) |
| Temp. (Operating):    | -40 °C to +70 °C (-40 °F to +158 °F) |

**REACTION TO FIRE**

**Characteristics**

| Material Identifier        | IEC Standard     | EN Standard  | CPR Rating   |
|----------------------------|------------------|--------------|--------------|
| Classification / EuroClass | Standard HFFR-LS | —            | Dca s2 d2 a1 |
| Single Cable Flame Rating  | IEC 60332-1-2    | —            | —            |
| Smoke Production           | Dca              | EN 50399     | s2           |
| Flaming Droplets/Particles | IEC 60754-2      | EN 50399     | d2           |
| Acid Gas Emission/Acidity  | —                | EN 50267-2-3 | a1           |

**TECHNICAL SPECIFICATIONS**

| Fiber Count | Max. Long Term Load (N) | Max. Short Term Load (N) | Min. Static Bend Radius (mm) | Min. Dynamic Bend Radius (mm) | Max. Crush (N) | Max. Impact (Nm) | Max. Torsion (Turns ± 180°) | Nom. Tube Diameter (mm) | Nom. Cable Diameter (mm) | Nominal Cable Weight (kg/km) |
|-------------|-------------------------|--------------------------|------------------------------|-------------------------------|----------------|------------------|-----------------------------|-------------------------|--------------------------|------------------------------|
| 2-12        | 442                     | 1000                     | 10x Cable Diameter           | 15x Cable Diameter            | 1500           | 3                | 5                           | 2.9                     | 6.3                      | 45                           |
| 16-24       | 569                     |                          |                              |                               |                |                  |                             | 4.0                     | 7.4                      | 58                           |

**FIBER IDENTIFICATION**

| Fiber Identifier       | 008       | 108       | 208       | 062      | OM3        | OM4        |
|------------------------|-----------|-----------|-----------|----------|------------|------------|
| IEC 60793 Reference    | 2-50-B1.3 | 2-50-B6_a | 2-50-B6_a | 2-10-A1b | 2-10-A1a.2 | 2-10-A1a.3 |
| ITU-T Recommendation   | G.652.D   | G.657.A1  | G.657.A2  | N/A      | G.651.1    | G.651.1    |
| ISO/IEC 11801 Category | OS2       | OS2       | OS2       | OM1      | OM3        | OM4        |

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| PACKAGING   |                                  |            |                           |     |                  |     |
|-------------|----------------------------------|------------|---------------------------|-----|------------------|-----|
| Fiber Count | Reel Size<br>(flange x width mm) |            | Gross Weight<br>(kg/reel) |     | Reels per Pallet |     |
|             | 2km                              | 4km        | 2km                       | 4km | 2km              | 4km |
| 2-12        | 915 x 460                        | 915 x 460  | 112                       | 202 | 2                | 2   |
| 16-24       | 915 x 460                        | 1070 x 510 | 138                       | 264 | 2                | 1   |

**PART NUMBER CONFIGURATOR**

Sample Part Number: **GF a UNI b LU - Dca**

| DESIGN | FIBER TYPE |           | CONSTRUCTION |         | FIBER COUNT | OUTER SHEATH |         | EUROCLASS |
|--------|------------|-----------|--------------|---------|-------------|--------------|---------|-----------|
|        | 008        | SM G652D  | UNI          | Unitube |             | LU           | HFFR-LS |           |
| GF     | 208        | SM G657A2 |              |         | 02          |              |         | Dca       |
|        | 062        | MM OM1    |              |         | 06          |              |         |           |
|        | OM3        | MM OM3    |              |         | 08          |              |         |           |
|        | OM4        | MM OM4    |              |         | 12          |              |         |           |
|        | OM5        | MM OM5    |              |         | 16          |              |         |           |
|        |            |           |              |         | 24          |              |         |           |

For further support information, visit [Leviton.com/NS/Support](http://Leviton.com/NS/Support)

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