

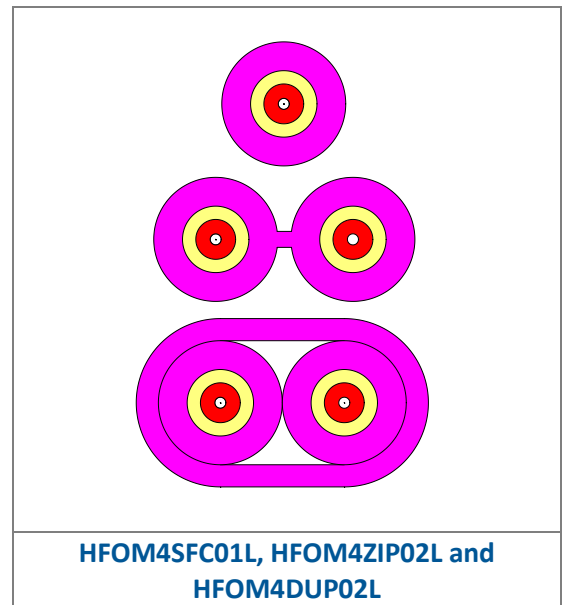
APPLICATION

The Brand-Rex Optical Patch Cable family offers a range of single and dual tight buffered fibres in a compact cable construction. The product range is designed using non wicking yarns and UV stable Halogen Free Flame Retardant Low Smoke (HFFR-LS) sheathing material as standard.

Brand-Rex Optical Patch Cable are used in the manufacture of patch cords and are suitable for use equipment rooms, wiring closets and at user outlets. The range consists of Single Fibre Cables (SFC), and Dual Fibre Cables (ZIP) and robust DUP cables which are ruggedised with an additional overall sheath.

FEATURES AND BENEFITS

- 1 and 2 Tight Buffered Fibres with Halogen Free Flame Retardant Low Smoke (HFFR-LS) Sheaths
- Customisable Fibre Selection - Single-Mode and Multi-Mode versions to suit a variety of applications
- Flexible Strength Members - in the form of high tensile yarns
- UV Stable (HFFR-LS) Sheaths
- Exceeds the Mechanical and Environmental Performance defined by IEC 60794-2-51
- Included in the Leviton and Brand-Rex 25 Year System Warranties when used in conjunction with Leviton or Brand-Rex copper connectivity. System warranties available for qualified projects installed by certified contractors.



STANDARDS

Applicable Cable Standards: IEC 60794-2-51

Test Standards: IEC 60794-1-21 and IEC 60794-1-22

FIBRE IDENTIFICATION

| Fibre Identifier* | 008 | 108 | 208 | 062 | 050 | OM3 | OM4 |
|------------------------|-----------|-----------|-----------|----------|------------|------------|----------------|
| IEC 60793 Reference | 2-50-B1.3 | 2-50-B6_a | 2-50-B6_a | 2-10-A1b | 2-10-A1a.1 | 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 | G.651.1 |
| ISO/IEC 11801 Category | OS1/OS2 | OS1/OS2 | OS1/OS2 | OM1 | OM2 | OM3 | OM4 |
| Buffer Colour | Yellow | Yellow | Yellow | Blue | Green | Grey | Red |
| Sheath Colour | Yellow | Yellow | Yellow | Orange | Orange | Aqua | Heather Violet |

Optical Patch Cables

Datasheet: GD102474v2

Brand-Rex a **LEVITON** company

MATERIAL IDENTIFICATION

| | |
|----------------------|-------------------|
| Material Description | Universal HFFR-LS |
| Flammability Rating | IEC 60332-1-2 |
| Smoke Emission | IEC 61034-1 & 2 |
| Acid Gas Emission | IEC 60754-2 |

PHYSICAL CHARACTERISTICS

| Cable Type | Nom. Buffer Diameter (mm) | Nom. Cable Diameter (mm) | Nominal Cable Weight (kg/km) |
|------------|---------------------------|--------------------------|------------------------------|
| SFC | 0.9 | 2.8 | 8 |
| ZIP | | 2.8 x 5.9 | 17 |
| DUP | | 3.8 x 6.6 | 29 |

MECHANICAL PERFORMANCE

| Cable Type | Max. Installed Load (N) | Max. Installation Load (N) | Min. Static Bend (mm) | Min. Dynamic Bend (mm) | Max. Crush (N) | Max. Impact (Nm) | Max. Torsion (Turns $\pm 180^\circ$) |
|------------|-------------------------|----------------------------|-----------------------|------------------------|----------------|------------------|---------------------------------------|
| SFC | 78 | 200 | 30 | 45 | 1500 | 5 | 5 |
| ZIP | 166 | 400 | 30 | 45 | 1500 | | |
| DUP | 284 | 400 | 40 | 60 | 2000 | | |

TEMPERATURE PERFORMANCE

| Cable Type | Operational Temperature Range | Storage Temperature Range | Installation Temperature Range |
|------------|-------------------------------|---------------------------|--------------------------------|
| SFC | -20°C to + 60°C | -20°C to + 60°C | -15°C to + 60°C |
| ZIP | | | |
| DUP | | | |

PRINT LEGEND

Example print legend:

[Length Mark]m BRAND-REX OPTICAL FIBRE CABLE HFOM4DUP02L Made in the UK [ID number] [Week/Year]

PACKAGING INFO

| Cable Type | Reel Size (flange x width mm) | | Gross Weight (kg/reel) | | Reels per Pallet | |
|------------|----------------------------------|-----------|---------------------------|-----|------------------|-----|
| | 2km | 4km | 2km | 4km | 2km | 4km |
| SFC | 710 x 390 | 710 x 390 | 32 | 48 | 3 | 3 |
| ZIP | 710 x 390 | 915 x 490 | 50 | 90 | 3 | 2 |
| DUP | 710 x 390 | 915 x 490 | 80 | 138 | 3 | 2 |

PART NUMBER CONFIGURATOR

HF - a - b - c - L

a = Fibre Identifier*
e.g. "008" for G.652.D fibre

b = Cable Type
e.g. "DUP"

c = 2 digit fibre count
e.g. "02" for 2 fibre cable

Example part number: HFOM4DUP02L

"Brand-Rex is dedicated to designing, developing and manufacturing sustainable high performance structured cabling and speciality cabling solutions"

The information contained in this document is valid and correct at the time of issue. Brand-Rex reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.