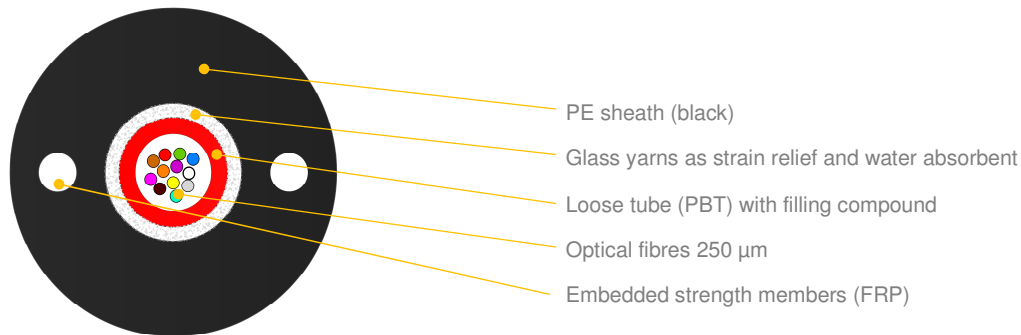


## Direct buried single jacket central loose tube drop cable with FRP and glass yarn strength members BURRY-DAC-G (BK)



\*schematic drawing, not to scale

### APPLICATION:

Optical access cable with fiberglass yarns reinforcement  
Direct buried design  
Fully dielectric cable  
Last mile connection  
High crush resistance  
Installation into existing ducts or direct buried

### STRUCTURE AND COMPOSITION:

Central loose tube (PBT) with filling compound  
Up to 24 optical fibres (250 µm)  
Fiberglass yarns as strain relief and water absorbent  
Embedded FRP strength members  
UV stabilized PE sheath (black)

### DESIGNS:

Variant	Quantity [pcs]		Ø nominal (±0,4) [mm]	Nominal weight (±5%) [kg/km]
	Fibres total	Fibres per tube		
1T x 2-12F	2-12	2-12	6,0	29
1T x 14-24F	14-24	14-24	6,5	36

### TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max short term tensile load	IEC 60794-1-21 E1, $\epsilon < 0,6\%$ , $\Delta\alpha \leq 0,05$ dB/km (reversible)	1000 N
Max long term tensile load	IEC 60794-1-21 E1, $\epsilon \leq 0,05\%$ , $\Delta\alpha \leq 0,05$ dB/km	210 N
Crush performance	IEC 60794-1-21 E3, 1min, $\Delta\alpha \leq 0,1$ dB, no significant sheath damage	4000 N/10cm
Impact	IEC 60794-1-21 E4, R=300[mm], 3 times, distance $\geq 500$ [mm], $\Delta\alpha \leq 0,05$ dB	10J
Bending performance	IEC 60794-1-21 E6, 50[N], 20 cycles, $\Delta\alpha \leq 0,05$ dB	10 x D
Torsion	IEC 60794-1-21 E7, $\pm 180$ [°], 20 cycles, $\Delta\alpha \leq 0,05$ dB	50N
Temperature range		
Installation		-15... +55 °C
Operation	IEC 60794-1-22 F1, $\Delta\alpha \leq 0,05$ dB/km	-40... +70 °C
Transport & Storage		-40... +70 °C
Water penetration	IEC 60794-1-22 F5, 1[m] head, 24[h], no leakage	3m sample

(\*) values for single-mode fibres, all optical measurements performed at 1550nm

### OPTICAL FIBRES AND LOOSE TUBES COLOUR IDENTIFICATION

For optical fibres and loose tubes identification information please see **DSH\_Colors\_CODE\_XXXX** document.

### FIBRES PARAMETERS

For selected post-production optical fibres parameters please see **DSH\_OFFP** document.

### MARKING

The following print (white inkjet or laser printing method) is applied at 1-meter intervals:

- Supplier: FIBRAIN
- Standard code (Product type, fibre type, fibre count)
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID / Drum No

Example: FIBRAIN BURRY DAC-G 2F SM G657A1 FTTH ACCESS CABLE "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is  $\pm 1\%$ . Remarkings is in accordance with Bellcore GR 20 and supersedes earlier markings. Occasional loss of marking is possible. Cables can be supplied with a range of single mode or multimode fibres and customized print.

Type:	BURRY-DAC-G BK	REV: 2.1
Issued:	20/07/2017	AM
Modified:	29/12/2020	KP

#### PACKAGING

Cables will be shipped on disposable wooden or treated wooden drums. Both ends of the cable will be capped and accessible for testing. Rotation direction arrow will be marked on the drum together with identification information.

#### DELIVERY LENGTH

2000 – 8000 meters  $\pm$  5%, with possibility of supplying up to 5% of total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of order quantity shall be allowed.

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