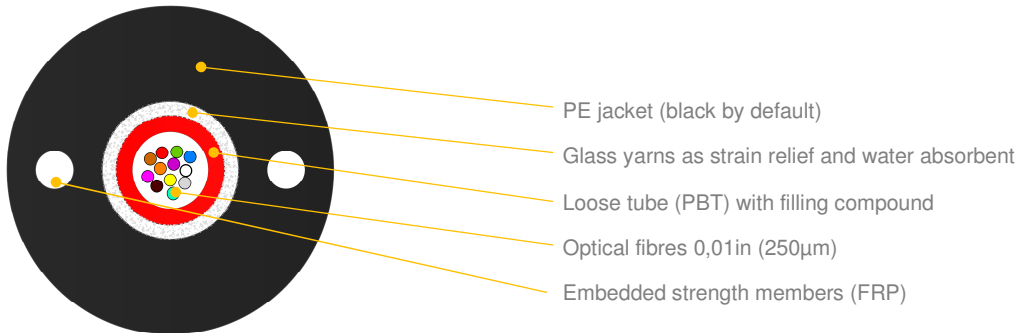


Type:	BURRY-DAC-G BK	REV: 1
Issued:	27/02/2024	NJ
Modified:	19/08/2024	AM

Direct buried single jacket central loose tube drop cable with FRP and glass yarns reinforcement
BURRY-DAC-G (BK)



*schematic drawing, not to scale

APPLICATION

Direct buried
Fully dielectric
Last mile connection
High crush resistance
Installation into existing ducts or direct buried

DESIGN

Highly resistant, UV stabilized HDPE outer jacket
Two FRP rods embedded into sheath
Fibre-glass yarns as a strain relief and water absorbent
Gelly filled central loose tube (PBT) with up to 24 optical fibres

VARIANTS

Variant	Quantity [pcs]		Ø nominal ±0,02in (±0,4mm) [in]	Nominal weight (±5%) [lb/kft]
	Fibres total	Fibres per tube		
1T x 2-12F	2-12	2-12	0,236 (6,0mm)	19 (29kg/km)
1T x 14-24F	14-24	14-24	0,256 (6,5mm)	24 (36kg/km)

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Test	Standard	Conditions	Requirements
Tensile strength	IEC 60794-1-21 E1	Short term: 225lbf (1000N)	ε<0,6%, Δα reversible
		Long term: 47lbf (210N)	ε≤0,2%, Δα≤0,05 dB/km
Crush performance	IEC 60794-1-21 E3	Load: 228lbf/in (4000N/10 cm) Time: 1min	Δα≤0,1 dB No jacket cracking and fibre breakage
Impact	IEC 60794-1-21 E4	Impact energy: 7,4ftlbf (10J) Radius: 11,8in (300mm) No. of impacts: 3, 20in apart (500mm)	Δα≤0,05 dB No jacket cracking and fibre breakage
Bending performance	IEC 60794-1-21 E6	Radius: 10 x D Load: 11lbf (50N) No. of cycles: 20	Δα≤0,05 dB No jacket cracking and fibre breakage
Torsion	IEC 60794-1-21 E7	Cable length: 79in (2m) No. of cycles: 20 Twist angle: ± 180° Load: 11lbf (50N)	Δα≤0,05 dB No jacket cracking and fibre breakage
Temperature range	IEC 60794-1-22 F1	Installation: 5°F to 131°F (-15... +55°C)	Δα≤0,05 dB/km
		Operation: -40°F to 158°F (-40... +70 °C)	
		Transport & Storage: -40°F to 158°F (-40... +70 °C)	
Water penetration	IEC 60794-1-22 F5	Water head: 39in (1m), Time: 24h, Sample: 118in (3m)	No water leakage

(*) 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_OFP document.

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MARKING

The following print (inkjet or laser printing method) is applied at 2-feet intervals:

- Supplier: FIBRAIN
- Standard code (Product type, fibre type, fibre count)
- Year of manufacture: xxxx
- Length marking in feet e.g. 12345FT
- 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 ±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.

PACKING

Cables are shipped on disposable wooden or treated wooden drums. Both ends of the cable are capped and at least one is accessible for testing. Identification information are placed on a drum. Typical spool length is 6560-26240 feet (2000 – 8000 meters) ± 5%, with possibility of supplying up to 5% of total contract quantity as short length cables which should be above 3280 feet (1000 meters) long. Tolerance of 5 % of order quantity shall be allowed.

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