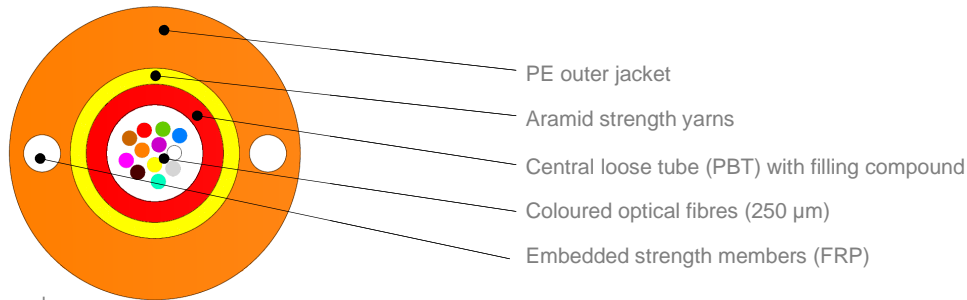


Type:	BURRY-DAC Drop cable	REV: 2.5
Issued:	14/05/2018	AM
Modified:	26/05/2019	AM

Direct buried single jacket central loose tube - Drop cable with FRP and aramid strength members - up to 24 fibres



*schematic drawing, not to scale

APPLICATION:

Optical access cable with aramid yarns reinforcement
Direct buried design
Fully dielectric cable
Last mile connection
High crush resistance (3,5kN)
Installation into existing ducts or direct buried

STRUCTURE AND COMPOSITION:

Central loose tube (PBT) with filling compound
Up to 24 optical fibres (250 µm)
Aramid yarns as strain relief and water absorbent
Embedded FRP strength members
Highly resistant outer jacket made of hard polyolefin material, UV resistant

DESIGNS:

Variant	Quantity [pcs]		Ø nominal (±0,4) [mm]	Nominal weight (±5%) [kg/km]
	Fibres	Fibres per tube		
1T x 2F	2	2	6,2	32
1T x 4F	4	4	6,2	32
1T x 6F	6	6	6,2	32
1T x 8F	8	8	6,2	32
1T x 12F	12	12	6,2	32
1T x 16F	16	16	6,5	37
1T x 24F	24	24	6,5	38

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max short term tensile load	IEC 60794-1-2-E1, $\Delta\alpha\leq 0,05$ dB/km, reversible	650 [N] / $\epsilon=0,33\%$ / 800 [N] / $\epsilon=0,5\%$
Max long term tensile load	IEC 60794-1-2-E1, $\Delta\alpha\leq 0,05$ dB/km, reversible	250 [N] / $\epsilon=0,05\%$
Crush performance	IEC 60794-1-2-E3, $\Delta\alpha\leq 0,05$ dB, reversible, no significant sheath damage	3500 [N/10 cm]
Impact	IEC 60794-1-2-E4, $\Delta\alpha\leq 0,05$ dB, reversible	20[J] / R=300[mm] / 3 times / distance ≥ 500 [mm]
Bending performance	IEC 60794-1-2-E6, $\Delta\alpha\leq 0,05$ dB, reversible	15 x D / 50[N] / 20 cycles
Torsion	IEC 60794-1-2-E7, $\Delta\alpha\leq 0,05$ dB, reversible	50[N] / $\pm 180^\circ$ / 20 cycles
Temperature range		
Installation		-15... +55 [°C]
Operation	IEC 60794-1-2-F1, $\Delta\alpha\leq 0,05$ dB/km, reversible	-40... +70 [°C]
Transport & Storage		-40... +70 [°C]
Water penetration	IEC 60794-1-2-F5, no leakage	3[m] sample, 1[m] head, 24[h]

OPTICAL FIBRES AND LOOSE TUBES COLOUR IDENTIFICATION

Fibres and tubes identification information see **DSH_Colors_CODE_XXXX** document.

FIBRES PARAMETERS

Optical fibres parameters see **DSH_OFP** document.

MARKING

The following print (black / ink jet) 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

The information is believed to be correct at the time of issue. Fibrain reserves the right to change this specification without prior notice. This specification is not contractually valid unless specifically authorised by Fibrain. Buyer and/or user of the product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject - in accordance with the prevailing - to the Terms of Sale of the selling Fibrain subsidiary.

Type:	BURRY-DAC Drop cable	REV: 2.5
Issued:	14/05/2018	AM
Modified:	26/05/2019	AM

Example: FIBRAIN BURRY DAC 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.

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.

The information is believed to be correct at the time of issue. Fibrain reserves the right to change this specification without prior notice. This specification is not contractually valid unless specifically authorised by Fibrain. Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Terms of Sale of the selling Fibrain subsidiary.

Important notice

Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Term of Sale of the selling Fibrain subsidiary.