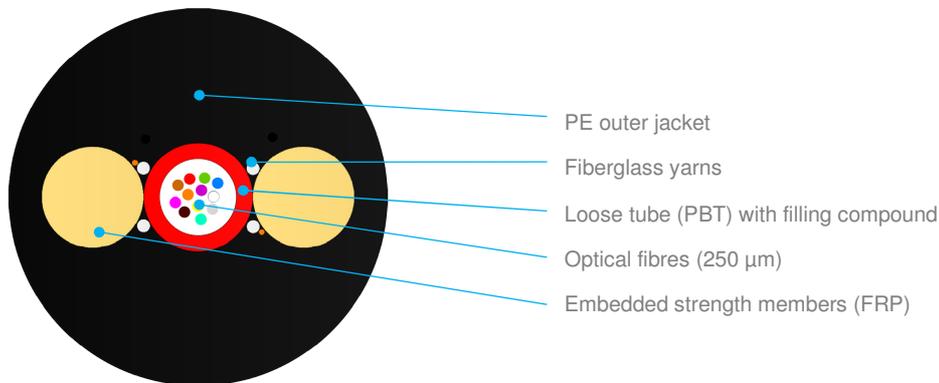


Type:	FTTA-DAC	REV: 3.4
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FTTA Direct Access Cable with Single Jacket and Central Loose Tube



*schematic drawing, not to scale

APPLICATION:

Fibre to the antenna system (FTTA)
Optical fibre access cable with glass yarns reinforcement
Direct buried design
Fully dielectric cable

DESIGN:

Fiberglass yarns as water-blocking and strain relief elements
Loose tube (PBT) with filling compound
Optical fibres
Embedded strength members (FRP)
High resistant jacket made of PE material, UV resistant.

Designs:

Variant	Quantity [pcs]		Ø nominal (±5%) [mm]	Nominal weight (±5%) [kg/km]
	Fibres	Fibres per tube		
1T x 2F	2	2	5.8	31
1T x 4F	4	4	5.8	31
1T x 6F	6	6	5.8	31
1T x 8F	8	8	5.8	32
1T x 12F	12	12	5.8	32
1T x 24F	24	24	6,3	38

TECHNICAL AND ENVIRONMENTAL CABLE CHARACTERISTICS

Max tensile load short term	IEC 60794-1-21-E1, $\Delta\alpha < 0,05\text{dB}$, reversible	800 N (e=0,33%); 1200 N (e=0,5%)
Max tensile load long term	IEC 60794-1-21-E1, $\Delta\alpha < 0,05\text{dB}$	250 N
Crush performance	IEC 60794-1-21-E3, $\Delta\alpha < 0,05\text{dB}$	3500 [N/10 cm]
Bending performance	IEC 60794-1-21-E6, $\Delta\alpha < 0,05\text{dB}$	10 cycles (15x D)
Temperature range Installation	IEC 60794-1-22-F1, $\Delta\alpha < 0,05\text{dB}$, reversible	-15... +50 [°C]
Operation		-45... +70 [°C]
Transport & Storage		-45... +70 [°C]
Water penetration	IEC 60794-1-22-F5, no leakage	3m sample 1 m head for 24 h

OPTICAL FIBRE AND LOOSE TUBES COLOUR IDENTIFICATION

For optical fibres and loose tube identification information please see DSH_Colors_CODE_XXXX document.

FIBRE PARAMETERS

For selected post-production optical fibres parameters please see DSH_OFP document.

MARKING

The following print (inkjet / laser or other suitable 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 FTTA-DAC 02F SM G657A2 "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is $\pm 1\%$. Remarking 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.

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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 ± 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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