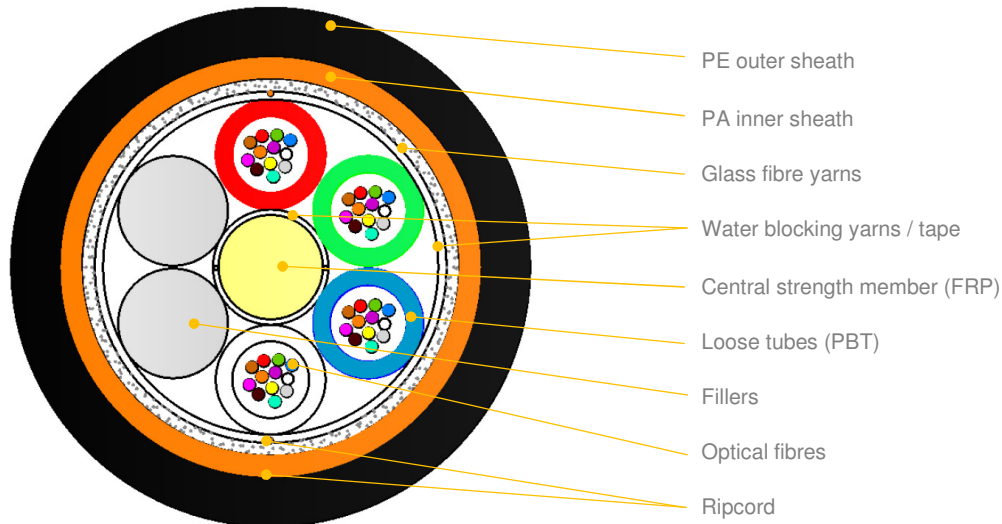


Double Jacket Duct Cable with Multitube Structure and Glass Fibre Armouring (Rodent Retardant Cable) DDC-M0 (PE-PA)



*schematic drawing, not to scale

APPLICATION:

For installation into existing duct or directly buried.
 Good resistance to traction and compression
 Fully dielectric cable
 Rodent Retardant cable

STRUCTURE AND COMPOSITION:

FRP strength and anti-buckling element
 Optical fibres
 Loose tube (PBT) with filling compound
 Dry yarns, and tape to prevent moisture into the cable
 Fibreglass yarns as strain relief elements
 PA inner sheath / PE outer sheath

CABLE DESIGNS:

Version	Quantity [pcs]				Ø nominal (+5%) [mm]	Nominal weight (+10%) [kg/km]	Max. tensile load short term [N]	Max. tensile load long term [N]
	Fibres	Fibres per tube	Total elements	Active tubes				
1-6T x 4F	4 - 24	4	6	1-6	10,3	74	2080	1050
8T x 4F	32	4	8	8	11,4	91	2050	1020
1-6T x 6F	6 - 36	6	6	1-6	10,3	71	2080	1050
8T x 6F	48	6	8	8	11,4	93	2100	900
1-6T x 12F	12 - 72	12	6	1-6	10,3	79	1800	830
8T x 12F	96	12	8	8	11,5	99	1900	820
12T x 12F	144	12	12	12	13,7	141	2040	920
16T x 12F	192	12	16	16	14,0	144	2100	860
18T x 12F	216	12	18	18	14,0	146	2100	860
24T x 12F	288	12	24	24	15,7	184	2600	1000

Other fibre counts available on demand

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Crush performance:	3000 [N/10 cm]	IEC 60794-1-21-E3, $\Delta\alpha \leq 0,05$ dB
Bending radius:	Static: 15 x D Dynamic: 20 x D	IEC 60794-1-21-E11, $\Delta\alpha \leq 0,05$ dB
Water penetration:	3m sample, 1m head, 24h	IEC 60794-1-22-F5, no leakage
Temperature range:	Installation: -15... +55 [°C] Operation: -40... +70 [°C] Transport & Storage: -40... +70 [°C]	IEC 60794-1-22-F1, $\Delta\alpha \leq 0,05$ dB/km

Type:	DDC-M0 XV	REV: 1.0
Created:	10/03/2015	PB
Modified:	16/02/2021	KP

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 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 DDC-M0 T18 12F SM G652D 2T6F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is $\pm 0.5\%$. 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.

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.

ANNEX – drawings:

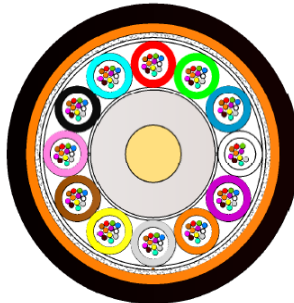
6 Elements Cable



8 Elements Cable



12 Elements Cable



24 Elements Cable



*schematic drawing, not to scale

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