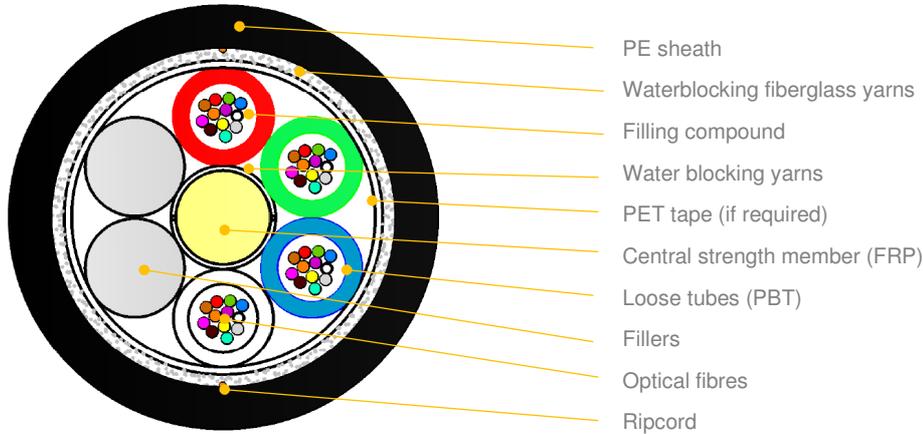


Basic Duct Cable with Multitube Structure BDC-M0S



*schematic drawing, not to scale

APPLICATION:

For installation into existing ducts
Good resistance to traction and compression
Fully dielectric

STRUCTURE AND COMPOSITION:

Highly resistant, UV stabilized HDPE outer sheath
Tubes with filling compound
PBT loose tubes (Ø1.8mm) with filling compound and optical fibres
PET tape - if required
Water-blocking glass yarns to prevent moisture into the cable

CABLE DESIGNS:

Variant	Quantity [pcs]				Ø nominal (±5%) [mm]	Nominal weight (±10%) [kg/km]	Max allowed tension [N], ε≤0,5%	Max static tension [N]
	Fibres	Fibres per tube	Total elements	Active tubes				
1-6T x 12F	12-72	12	6	1-6	7,9	50	2000	1000
8T x 12F	96	12	8	8	9,3	69	2000	1000
12T x 12F	144	12	12	12	11,4	101	2000	1000

Other fibre counts available on demand

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Crush performance:	1500 [N/10 cm]	IEC 60794-1-21-E3, Δα≤0,05 dB under test, no damage
Bending radius:	Static: 15 x D Dynamic: 20 x D	IEC 60794-1-21-E11, Δα≤0,05 dB, reversible
Water penetration:	3m sample, 1m head, 24h	IEC 60794-1-22-F5, no leakage
Temperature range:	Installation: -15... +55 [°C] Operation: -20... +70 [°C] Transport & Storage: -40... +70 [°C]	IEC 60794-1-22-F1, Δα≤0,05 dB/km, reversible

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 (hot stamped / laser printing or other suitable printing method) is applied at 1-meter intervals:

Example: FIBRAIN BDC-M0S T18 48F SM G652D 4T12F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is ±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.

Type:	BDC-M0S	REV 0
Issued:	21/10/2021	KP
Project:	079-21	

PACKING

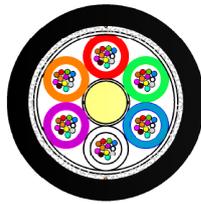
Cables will be shipped on disposable wooden or treated wooden drums. Both ends of the cable will be capped and accessible for testing. Rotation direction arrow will be marked on the drum together with identification information.

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.

ANNEX – DRAWINGS:

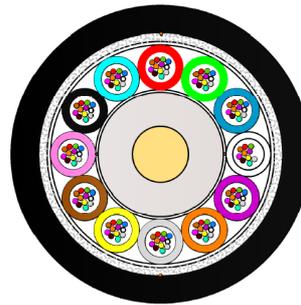
6 Elements Cable



8 Elements Cable



12 Elements Cable



*schematic drawing, not to scale

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