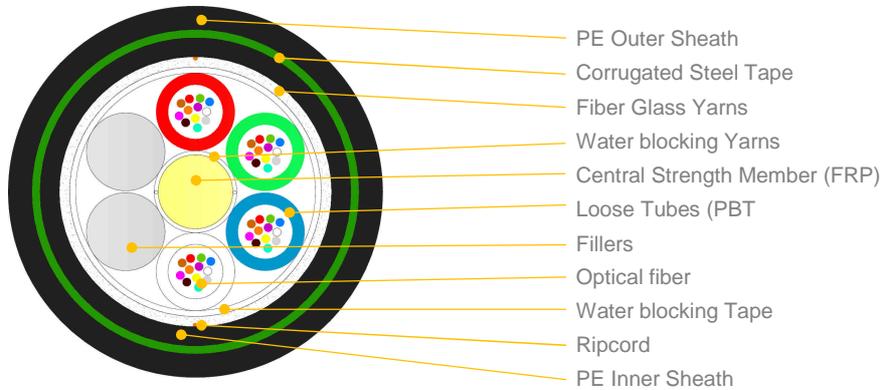


Type:	DBP-DI	REV: 1
Issued:	05/02/2014	SK
Modified:		

## Double Jacket Corrugated Steel Armour Multitube Cable (Rodent Retardant Cable – Direct Burial applications) – DBP-D series



\*not in scale

### APPLICATION:

For installation into existing duct or directly buried.  
Rodent retardant cable  
Good resistance to traction and compression  
Corrugated Steel Armour

### STRUCTURE AND COMPOSITION:

PE Outer Sheath  
Corrugated steel tape armour  
Glass yarns as strength element  
Inner PE sheath  
Jelly filled loose tubes  
Loose tube (PBT Ø 2.0 mm)  
Dry tape to prevent moisture into the cable  
Waterblocking yarns to prevent moisture in the cable

### BASIC CABLE PARAMETERS:

Version	Qty				Ø nominal (+5%) [mm]	Nominal weight (+10%) [kg/km]	Max. tensile load short term [N]	Max. tensile load long term [N]
	Fibers	Fibers per tube	Total elements	Active tubes				
1T x 6F	6	6	6	2	13.7	169	2800	1700
2T x 6F	12	6	6	2				
4T x 6F	24	6	6	4				
3T x 12F	36	12	6	3	13.9	175	2750	1350
4T x 12F	48	12	6	4				
6T x 12F	72	12	6	6				
8T x 12F	96	12	8	8	15.1	207	2850	1400
12T x 12F	144	12	12	12	17.4	270	2800	1650
24T x 12F	288	12	24	24	19.6	337	2700	1400
Other Fiber counts available on demand								

### MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Crush performance	4000N [N/10 cm]	EN 187101, IEC 60794-1-2-E3, no attenuation increase
Bending performance	10 [cycles (15x D)]	EN 187101, IEC 60794-1-2-E11, no attenuation increase
Water penetration	1m sample, 1m head, 24h	IEC 60794-1-2-F5, no leakage
Temperature range:	Installation: -15... +55 [°C] Operation: -40... +70 [°C] Transport & Storage: -40... +70 [°C]	EN 187101, IEC 60794-1-2-F1, no attenuation increase

### OPTICAL FIBER AND LOOSE TUBES COLOR IDENTIFICATION

The colors of identifications see on **DSH\_Colors\_CODE\_XXXX**

### FIBER PARAMETERS

The value of characteristic fibers parameters see on **DSH\_OFF**

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## MARKING

The following printing (white hot foil indentation) is applied at 1-meter intervals.

- Supplier: FIBRAIN
- Standard Code (Product Type, Fiber Type, Fiber Count): Duct SM xx F
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID/ Drum No

Example: FIBRAIN DBP-DI 2,7 kN T20 12F SM G652D 2T6F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is  $\pm 0.5\%$ . Occasional loss of printing and remarking is in accordance with Bellcore GR 20 and supersedes earlier markings. Cables can be supplied with a range of single mode or multimode fibers and customized printing.

## PACKAGING

The cables will be shipped on disposable wooden or treated wooden drums. The inner and outer ends of the cable will be capped and made accessible for testing. A direction of rotation arrow is marked on the drum together with the identification information.

## DELIVERY LENGTH

2000 – 8000 meters  $\pm 5\%$ , with an allowance of supplying a maximum of 5% of a total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of on Order Quantity shall be allowed.

## ANNEX – drawings:

6 Elements Cable



8 Elements Cable



12 Elements Cable



24 Elements Cable



\*not in scale

### 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.

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.