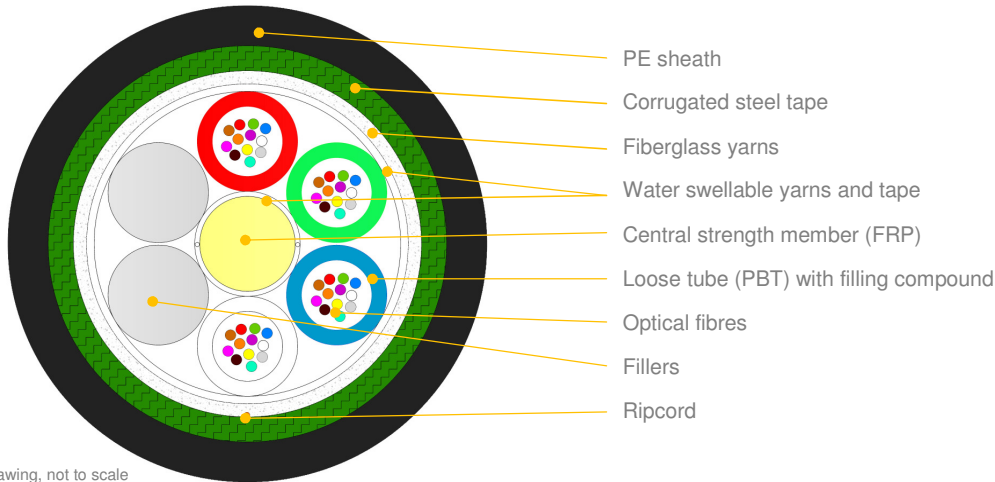


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|-----------|------------|----------|
| Type: | SSC-CI | REV: 1.3 |
| Issued: | 26/01/2016 | PB |
| Modified: | 07/07/2017 | PB |

Single jacket cable with multitube structure, glass yarn reinforcement, and corrugated steel armouring - SSC-CI



*schematic drawing, not to scale

APPLICATION:

For installation into existing duct or directly buried
Rodent retardant

DESIGN:

FRP tensile strength and anti-buckling element
Dry yarns and tape to prevent longitudinal water penetration
Loose tube (PBT Ø 2.0mm) with filling compound
Optical fibres
Fillers (if applicable)
Water-swellable tape
Fiberglass yarns as strain relief
Corrugated steel tape armouring
Black UV stabilized PE sheath
Sheath options: LSOH

CABLE DESIGNS

| Variant | Quantity [pcs] | | | | Ø nominal (±5%) [mm] | Nominal weight (±10%) [kg/km] | Max short term tensile load [N] | Max long term tensile load [N] |
|-------------------------|----------------|--------------------|-------------------|-----------------|----------------------------|--|--|---|
| | Fibres | Fibres per tube | Total elements | Active tubes | | | | |
| 1-6T x 12F | 12-72 | 12 | 6 | 1-6 | 11,4 | 130 | 2700 | 1400 |
| 8T x 12F | 96 | 12 | 8 | 8 | 12,6 | 160 | 2700 | 1400 |
| 12T x 12F | 144 | 12 | 12 | 12 | 14,2 | 220 | 2700 | 1400 |
| 16T x 12F | 192 | 12 | 16 | 16 | 15,2 | 220 | 2700 | 1400 |
| 18T x 12F | 216 | 12 | 18 | 18 | 15,2 | 220 | 2700 | 1400 |
| 20T x 12F | 240 | 12 | 24 | 20 | 17,2 | 270 | 2700 | 1400 |
| 24T x 12F | 288 | 12 | 24 | 24 | 17,2 | 272 | 2700 | 1400 |
| Other designs on demand | | | | | | | | |

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

| | | |
|----------------------|-----------------------------------|---------------------------------|
| Crush performance: | 3500 [N/10 cm] | IEC 60794-1-2-E3, Δα reversible |
| Bending radius: | Static: 15 x D Dynamic: 20 x D | IEC 60794-1-2-E6, Δα≤0,05 dB |
| Water penetration: | 3[m] sample, 1[m] head, 24[h] | IEC 60794-1-2-F5, no leakage |
| Temperature range | | IEC 60794-1-2-F1, Δα≤0,05 dB/km |
| Installation: | -15... +55 [°C] | |
| Operation: | -40... +70 [°C] | |
| Transport & Storage: | -40... +70 [°C] | |

| | | |
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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 (white / hot foil) 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 SSC-CI T20 12F SM G652D 1T12F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is ±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.

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 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.

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.