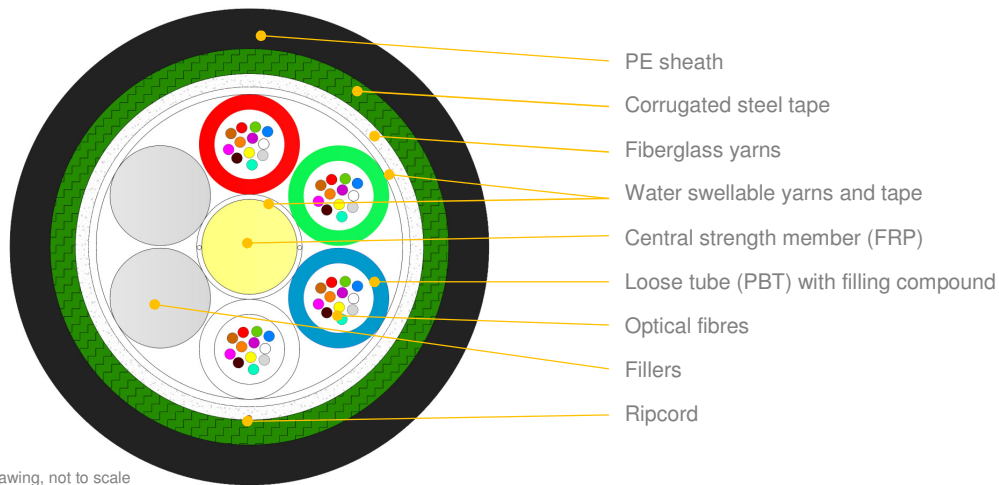


Single jacket cable with multitube structure, glass yarn reinforcement, and corrugated steel armouring - SSC-CI



*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

CABLE DESIGNS

Variant	Quantity [pcs]				Ø nominal (±5%)	Nominal weight (±10%)	Max short term tensile load	Max long term tensile load
	Fibres	Fibres per tube	Total elements	Active tubes				
	[mm]	[kg/km]	[N]	[N]				
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 60794-1-21-E3, Δα reversible
Bending radius:	Static: 15 x D Dynamic: 20 x D	IEC 60794-1-21-E6, Δα≤0,05 dB
Water penetration:	3[m] sample, 1[m] head, 24[h]	IEC 60794-1-22-F5, no leakage
Temperature range		IEC 60794-1-22-F1, Δα≤0,05 dB/km
Installation:	-15... +55 [°C]	
Operation:	-40... +70 [°C]	
Transport & Storage:	-40... +70 [°C]	

FIBRE PARAMETERS

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

OPTICAL FIBRE AND MODULES COLOUR IDENTIFICATION

For optical fibres and modules identification information please see DSH_Colors_CODE_XXXX document.

Type:	SSC-CI	REV: 1.4
Issued:	26/01/2016	PB
Modified:	23/12/2020	AM

MARKING

The following print (hot foil, laser or other suitable available method depending on availability) 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 $\pm 1\%$. 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 $\pm 5\%$, 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.

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