



Ficha Técnica de Produto
Finish good datasheet

CABO ÓPTICO DIELÉTRICO AUTO-SUSTENTADO TOTALMENTE SECO
CFOA-SM-AS-Y-TS-Z NR KP

PRODUCT INFORMATION

Fiber

Singlemode	Sterlite Fiber ITU.T - G.652 D
Maximum cabled fiber attenuation dB/Km	1310nm : 0.35 & 1550nm : 0.25
Average cabled fiber attenuation dB/Km	1310nm : 0.34 & 1550nm : 0.23
PMDq	≤ 0.2 ps/√km

Loose Tube

Water Blocking Element Tube	Water swellable yarns is added to prevent water ingress into Thermoplastic Material
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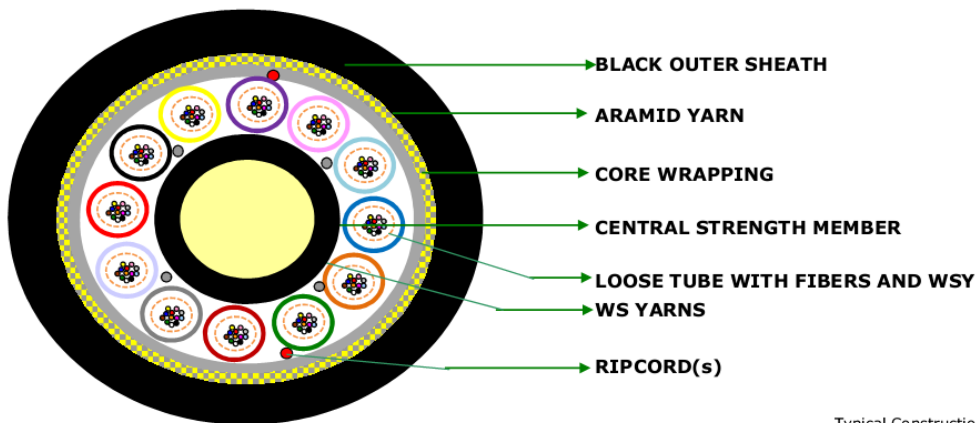
Core

Central strength member	FRP (Fibre Reinforced Plastic) upcoated (when applicable) with PE
Water blocking elements	Water swellable yarns is added to prevent water ingress into the core of cable
Filler	Polyethylene
Core wrapping	Binder and water swellable tape

Cable

Ripcord	Twisted yarns
Peripheral strength member	Aramid yarns
Outer sheathing	UV Proof Black High Density Polyethylene

CONSTRUCTIONAL DETAILS



Typical Construction Diagram - Not To Scale

PERFORMANCE

MECHANICAL		ENVIRONMENTAL	
Crush resistance	2000 N	Temperature:	
Impact strenght	25 Nm	Installation	-30°C to +60°C
Tortion	± 180°	Service	-40°C to +70°C
Minimum bend radius during installation	20 x D	Storage	-40°C to +70°C
Minimum bend radius after installation	15 x D	Water Penetration	1m head, 3 m sample, 24hrs

Test Criteria - ANSI / ICEA-5-87-640/IEC 60794-1-2/GR20

LOADING CONDITIONS

Span lenght	120 m	Sag:	
Wind speed	97 km/h	Installation	1.0%
Ice load	Nil	Service	3.0%
Tensile strenght	2700 N		

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PRINTING DETAILS

STERLITE-CONDUSPAR (MM/YYYY) CFOA-SM-AS-Y-TS-Z NR (Batch) (Lenght)

Fibercount	Fibers per tube	Diameter of cable mm (+5%)	Weight of cable kg (+10%)
12	2	11.3 + 0.6	96
24 to 36	6	11.3 ± 0.6	96
48 to 72	12	11.3 ± 0.6	96
96	12	13.4 ± 0.6	122
144	12	16.6 ± 0.8	210

Fiber sequence Blue,orange,green, brown,slate,white, red,black,yellow, violet,pink and aqua
Tubes sequence Blue,orange,green, brown,slate,white, red,black,yellow, violet,pink and aqua
Outer sheath color Black

Standard Lenght
Wooden drums 3000 meters
Tolerance ± 5%

Cable description

CFOA-SM-AS-Y-TS-Z NR
Onde:

CFOA	Acrylate upcoated optical fiber cable	TS	Totally dry
SM	Singlemode fiber	Z	Fibercount
AS	Aerial self sustained	NR	Regular Sheath
Y	Span (80, 120 or 200 m)		

USE POURPOSE: Installation into ducts

ACCESSORIES: Accessories shall observe the dimensions, weights and loads which the cables are subjected. Sterlite-Conduspar do not assume any responsibility due to bad usage of them.

Revision	Date	Responsible	History
00	19/03/2015	Felipe T. Zanardini	Inicial edition

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