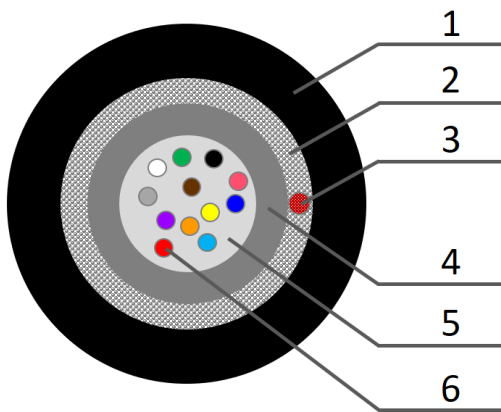


## Central Tube FOC, Non-Metallic, MDPE Sheath

### Cable Cross-Section



### Cable Structure

1. MDPE Outer Sheath
2. Strength Member (Aramid Yarn)
3. Ripcord
4. Loose Tube (PBT)
5. Tube Filling Compound (thixotropic gel)
6. Optical Fibers (SM G.652D)

### Cable Specification

Number of Fibers		4F	6F	8F	12F
Optical Fiber					
	Fiber type	ITU-T G.652D Sumitomo PureBand			
Loose Tube					
	Number	1			
	Filling material	Thixotropic Jelly			
	Tube material	PBT			
	Tube diameter	3,0 ± 0,1 mm			
Peripheral strength member		Aramid yarn Glass yarn			
Outer sheath					
	Material	MDPE			
	Thickness	1,5 ± 0,1 mm			
Nom. Cable					
	Diameter (mm)	6,5 ± 0,5 mm			
	Net weight (kg/km)	48			
	Drum length (m)	2000 ± 5%			

## Color Details

No.	1	2	3	4	5	6	7	8	9	10	11	12
<b>Fiber Color</b>	4	Blue	Orange	Green	Brown							
	6	Blue	Orange	Green	Brown	Slate	White					
	8	Blue	Orange	Green	Brown	Slate	White	Red	Black			
	12	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink
<b>Tube Color</b>	4	Natural										
	6	Natural										
	8	Natural										
	12	Natural										
<b>Sheath Color</b>	Black UV											
<b>Marking</b>	0000M	KST Ltd. YYYY	Duct	Drum No.	Sumitomo G.652D	0001M						

## Mechanical & Environmental Characteristics

Test	Test Standards	Specified Value	
Optical Attenuation	- 1310nm	IEC 60793-1-40	≤ 0.36 dB/km
	- 1550nm	IEC 60793-1-41	≤ 0.22 dB/km
Tensile Strength	- Short Term	IEC 60794-1-2-E1	Max. 1200N
	- Long Term	IEC 60794-1-2-E2	Max. 600N
Crush Resistance	IEC 60794-1-2-E3	100N/cm	
Min. Bending Radius	- Static	IEC 60794-1-2-E11	20 x D
	- Dynamic	IEC 60794-1-2-E12	15 x D
Impact Resistance	IEC 60794-1-2-E4	2,9 Nm	
Torsion	IEC 60794-1-2 E7	± 180°	
Temperature Range (°C)	- Installation	IEC 60794-1-2-F1	- 10°C to + 60°C
	- Operation	IEC 60794-1-2-F1	- 40°C to + 70°C

D : Cable outer diameter

### Packing :

- ❖ Non-returnable wooden drum
- ❖ Strong wooden batten protection
- ❖ Cable ends are accessible for a test



## KST Ltd.

Address: 357 Slivnitsa Blvd.,  
Sofia, Bulgaria

Tel: +359 2 927-72-56  
Fax: +359 2 927-00-14

Web: [www.kst-bg.com](http://www.kst-bg.com)  
E-mail: [sales@kst-bg.com](mailto:sales@kst-bg.com)