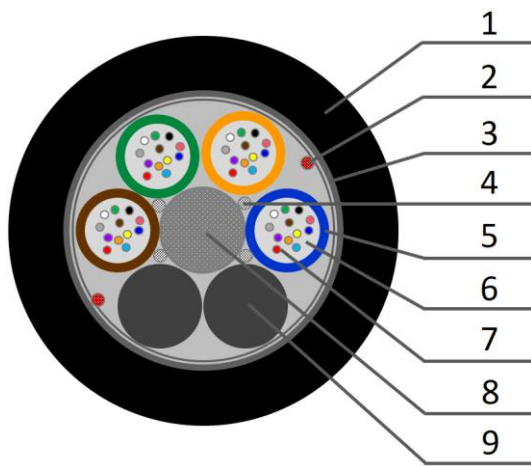


Multi Loose Tube FOC, Dry Core, MDPE Sheath

Cable Cross-Section



Cable Structure

1. Outer PE Sheath
2. Ripcord
3. Peripheral Strength Member (glass yarn)
4. Water Blocking Tape
5. Water Blocking Yarn
6. Loose Tube (PBT)
7. Tube Filling Compound (thixotropic gel)
8. Optical Fibers (SM G.652D)
9. Central Strength Member
10. PE Filler

Cable Specification

Number of Fibers		12F	24F	48F	72F
Optical Fiber					
	Fiber type	ITU-T G.652D Sumitomo PureBand			
Loose Tube					
	Number	1 x 12F, 2 x 6F	2 x 12F, 4 x 6F	4 x 12F	6 x 12F
	Filling material	Thixotropic Jelly			
	Tube material	PBT			
	Tube diameter	2,25 ± 0,05 mm			
Central Strength Member					
	Material	FRP			
	Diameter	2,5 ± 0,1mm			
Core Wrapping		Water Blocking Tape			
Peripheral Strength Member		E-Glass yarn			
Outer sheath					
	Material	MDPE			
	Thickness	1,5 ± 0,1 mm			
Nom. Cable					
	Diameter (mm)	11,4	11,4	11,4	11,4
	Net weight (kg/km)	91	92	93	95
	Drum length (m)	2000 ± 5%			

Color Details

No.	1	2	3	4	5	6	7	8	9	10	11	12	
Fiber Color	12	Blue	Orange	Green	Brown	Slate	White	Red*	Black*	Yellow	Violet*	Pink*	Aqua*
	24	Blue	Orange	Green	Brown	Slate	White	Red*	Black*	Yellow	Violet*	Pink*	Aqua*
	48	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
	72	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
Tube Color	12	Blue	Orange*										
	24	Blue	Orange	Green*	Brown*								
	48	Blue	Orange	Green	Brown								
	72	Blue	Orange	Green	Brown	Slate	White						
Sheath Color	Black UV												
Marking	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. 2500N
	- Long Term	IEC 60794-1-2-E2	Max. 1500N
Crush Resistance	IEC 60794-1-2-E3	150N/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	4,4 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



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