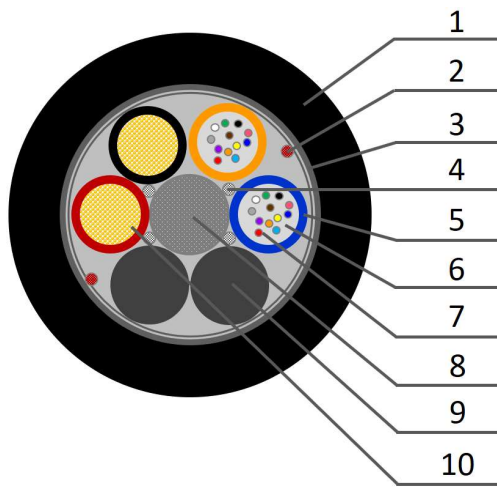


Multi Loose Tube FOC, Dry Core, MDPE Sheath, Copper Conductors

Cable Cross-Section



Cable Structure

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

Cable Specification

Number of Fibers		12F	24F	36F	48F
Optical Fiber		ITU-T G.652D Sumitomo PureBand			
Loose Tube		Thixotropic Jelly			
Number		1 x 12F	2 x 12F	3 x 12F	4 x 12F
Filling material		Thixotropic Jelly			
Tube material		PBT			
Tube diameter		2,25 @ 1,5 mm ²		/ 2,45 @ 2,5 mm ²	
Central Strength Member		FRP			
Material		FRP			
Diameter		2,5 ± 0,1mm			
Core Wrapping		Water Blocking Tape			
Peripheral Strength Member		E-Glass yarn			
Outer sheath		MDPE			
Material		MDPE			
Thickness		1,5 ± 0,1 mm			
Nom. Cable		2000 ± 5%			
Diameter (mm)		11,4 @ 1,5 mm ²		12,9 @ 2,5 mm ²	
Net weight (kg/km)		115 @ 1,5 mm ²		150 @ 2,5 mm ²	
Drum length (m)		2000 ± 5%			

	2 x 1,50mm ²	2 x 2,50mm ²
Power Cable	EN 60228 Class-5	
Copper conductor	27x0,25 ± 0,02mm	45x0,25 ± 0,02mm
Insulated Material	HDPE	HDPE

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
	36	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
Tube Color	12	Blue											
	24	Blue	Orange										
	48	Blue	Orange	Green									
	72	Blue	Orange	Green	Brown								
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

Packing :

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



KST Ltd.