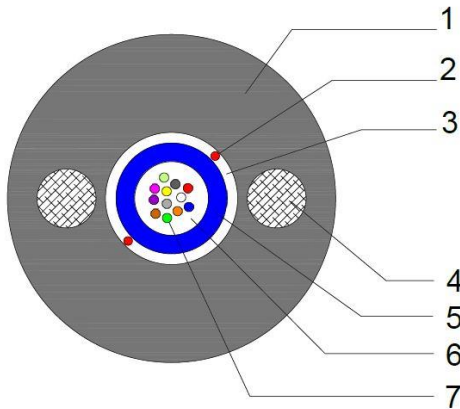


## 4-24 FO Single Mode, Single Loose Tube, PE Jacket Drop Cable

### Cable Cross Section



### Cable Structure

1. Outer PE Sheath
2. Ripcord
3. Peripheral Strength Member (Glass Yarn)
4. Strength Member (FRP 2x1,0mm)
5. Loose Tube (PBT)
6. Tube Filling Compound (thixotropic gel)
7. Optical Fibers (SM G.652D)

Number of Fibers		4	6	8	12	16	24
Number of Loose Tubes		1 Central Tube					
<b>Loose Tube</b>	-Optical Fibre	ITU-T G.652D					
	-Filling Material	Thixotropic Jell					
	-Tube Material	PBT					
	-Tube Diameter	2,0 ± 0,2mm				3,0 ± 0,2mm	
<b>Peripheral Strength Member</b>							
-Material		Glass Yarn					
<b>Strength Member</b>							
-Material & Diameter		FRP / 2x1,0 ± 0,1mm					
<b>Outer Sheath</b>							
-Material & Thickness		MDPE BK / 2,0± 0,2mm					
<b>Nom. Cable</b>	Diameter (mm)	6,5 ± 0,3				7,4 ± 0,3	
	Net Weight (kg/km)	35 ± %5				45 ± %5	
	Drum Length (m)	4.000 ±100					

## Color Details

No.	1	2	3	4	5	6	7	8	9	10	11	12	
<b>Fiber Color</b>	<b>1-12</b>	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
	<b>13-24</b>	Blue + Black Stripe	Orange + Black Stripe	Green + Black Stripe	Brown + Black Stripe	Slate + Black Stripe	White + Black Stripe	Red + Black Stripe	Black + White Stripe	Yellow + Black Stripe	Violet + Black Stripe	Pink + Black Stripe	Aqua + Black Stripe
<b>Tube Color</b>	<b>24</b>	Natural											
<b>Sheath Color</b>	Black UV												
<b>Marking</b>	"0000M CABLE TYPE DRUM NO 0001M"												

## Mechanical & Environmental Characteristics

Test	Test Standards	Specified Value
<b>Optical Attenuation</b>	-1310nm -1550nm  IEC 60793-1-40	≤ 0.36 dB/km ≤ 0.22 dB/km
<b>Tensile Strength</b>	IEC 60794-1-2-E1	800N, 5min
<b>Crush Resistance</b>	IEC 60794-1-2-E3	1000 N/10cm
<b>Min. Bending Radius</b>	-Short Term -Long Term  IEC 60794-1-2-E11	20xD 15Xd
<b>Impact Resistance</b>	IEC 60794-1-2-E4	5J (5Nm)
<b>Torsion</b>	IEC 60794-1-2 E7	±180°
<b>Temperature Range (°C)</b>	-Installation -Operation  IEC 60794-1-2-F1	-20°C to + 50°C -30°C to + 60°C

D : Cable outer diameter

### Packing :

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

Fiber count



Order Code: DUC-UT1-01X12SM2+2X10FRP+PE

