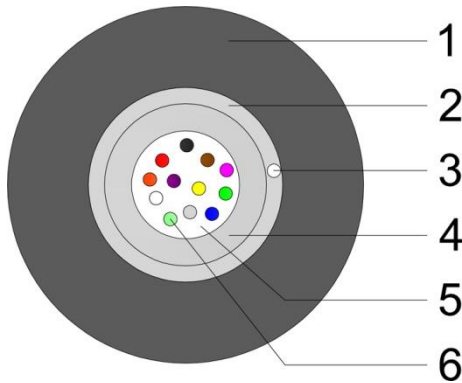


# Duct Type (UT1)

A-DQ(BN)2Y

4/6/8/12 FO, Single Loose Tube, Non-Metallic Armor, Single PE Jacket

### Cable Cross Section



### Cable Structure

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

Number of Fibers	4	6	8	12
Number of Loose Tubes	1			
<b><u>Loose Tube</u></b> -Single Mode Optical Fiber -Filling Jell Material -Tube Material & Diameter	ITU-T G.652D Thixotropic Jelly PBT / 2,9 ± 0,1 mm			
<b><u>Peripheral Strength Member</u></b> -Material	E-Glass yarn			
<b><u>Outer Sheath</u></b> -Material & Thickness	HDPE / 1,2 ± 0,1 mm			
<b>Nom. Cable</b>	Diameter (mm)	6,2 ± 0,3 mm		
	Net Weight (kg/km)	33 ±5%		
	Drum Length (m)	4.000±5%		

# Duct Type (UT1)

A-DQ(BN)2Y

## Color Details

No.	1	2	3	4	5	6	7	8	9	10	11	12
<b>Fiber Color</b>	4	Red	Green	Blue	Yellow							
	6	Red	Green	Blue	Yellow	White	Grey					
	8	Red	Green	Blue	Yellow	White	Grey	Brown	Violet			
	12	Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Black	Orange
<b>Tube Color</b>	4	Natural										
	6	Natural										
	8	Natural										
	12	Natural										
<b>Sheath Color</b>	Black UV											
<b>Marking</b>	"0000M DUC-UT1-12F ( 01X12SM2-(D)G12P) 2023 / DRUM NO 0001M"											

## Mechanical & Environmental Characteristics

Test	Test Standards	Specified Value
<b>Optical Attenuation</b>		
-1310nm	IEC 60793-1-40	$\leq 0.36$ dB/km
-1550nm		$\leq 0.22$ dB/km
<b>Tensile Strength</b>		
-Short Term	IEC 60794-1-21-E1	Max. 1.200N
-Long Term		Max. 500N
<b>Crush Resistance</b>	IEC 60794-1-21-E3	1.500 N/10cm
<b>Min. Bending Radius</b>		
-Static	IEC 60794-1-21-E11	15xD
-Dynamic		20xD
<b>Impact Resistance</b>	IEC 60794-1-21-E4	4,4 Nm
<b>Torsion</b>	IEC 60794-1-21 E7	$\pm 180^\circ$
<b>Temperature Range (°C)</b>		
-Installation	IEC 60794-1-22-F1	-10°C to + 60°C
-Operation		-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

**Order Code: DUC-UT1-01X12SM2-(D)G12P**

