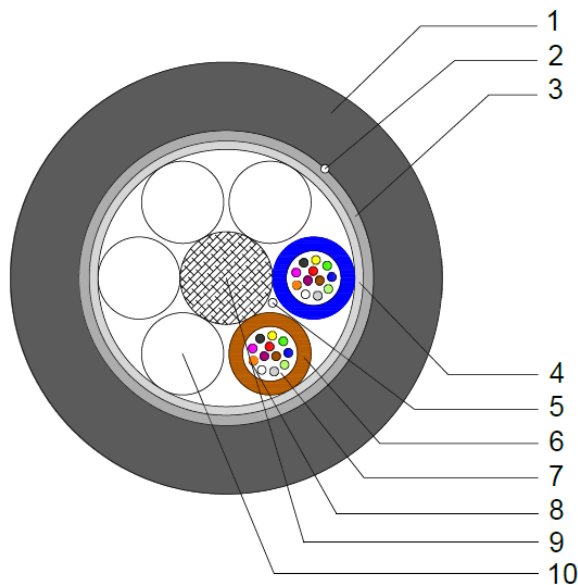


Duct Type (MT1-md)

A-DQ(BN)2Y

12/24 FO, Multi Loose Tube, Dry Core, Non-Metallic, Single PE Jacket

Cable Cross Section



Cable Structure

1. Outer PE Sheath
2. Strength Member (glass yarn)
3. Ripcord
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

Number of Fibers		24
Number of Loose Tubes		02x12
<u>Loose Tube</u>		
-Single Mode Optical Fiber		ITU-T G.652D
-Filling Jell Material		Thixotropic Jelly
-Tube Material & Diameter		PBT / 1,90 ± 0,10mm
<u>Central Strength Member</u>		
-Material & Diameter		Non-metallic FRP / 2,0 ± 0,1mm
<u>Core Wrapping</u>		
-Material		Water Blocking Tape
<u>Peripheral Strength Member</u>		
-Material		E-Glass yarn
<u>Outer Sheath</u>		
-Material		HDPE BK
-Thickness		1,2 ± 0,1mm
Nom. Cable	Diameter (mm)	9,1 ± 0,5mm
	Net Weight (kg/km)	60 %5
	Drum Length (m)	2.000 ±5%

Duct Type (MT1-md)

A-DQ(BN)2Y

Color Details

No.	1	2	3	4	5	6	7	8	9	10	11	12	
Fiber Color	24	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
Tube Color	24	Blue	Orange										
Sheath Color	Black UV												
Marking	"0000M DUC-MT1-24F (02X12SM2-N(D)G12P) 2023 / DRUM NO 0001M "												

Mechanical & Environmental Characteristics

Test	Test Standards	Specified Value
Optical Attenuation	-1310nm -1550nm IEC 60793-1-40	≤ 0.36 dB/km ≤ 0.22 dB/km
Tensile Strength	-Short Term -Long Term IEC 60794-1-21-E1	Max. 1.200N Max. 500N
Crush Resistance	IEC 60794-1-21-E3	1.500N/10cm
Min. Bending Radius	-Static -Dynamic IEC 60794-1-21-E11	20xD 15xD
Impact Resistance	IEC 60794-1-21-E4	2,9 Nm
Torsion	IEC 60794-1-21 E7	±180°
Water Penetration	IEC 60794-1-22-F5B	-No drip (h=1m, L=3m, T=24h)
Temperature Range (°C)	-Installation -Operation IEC 60794-1-22-F1	-10°C to + 60°C -20°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-MT1-01X12SM2-N(D)G12P(md)