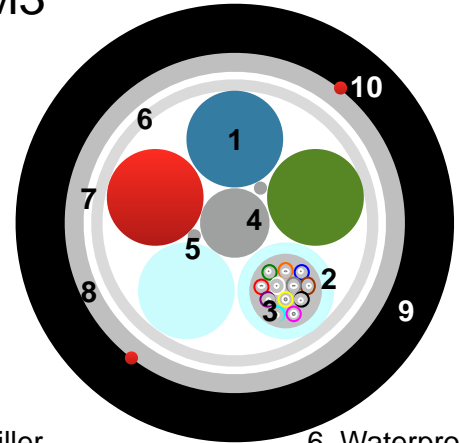
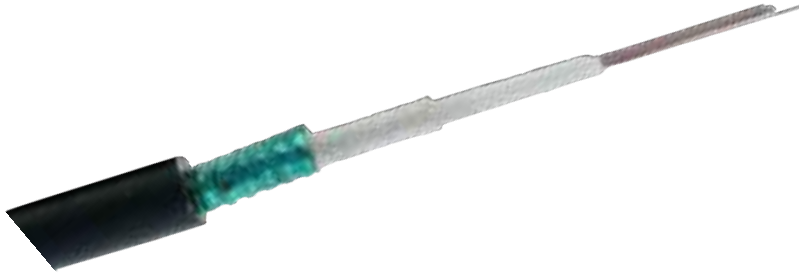


FIBER OPTIC LOOSE TUBE ARMORED OM3

Romatecsans loose tube indoor and outdoor cables are ideal for in and outdoor communications. Our cables are strong, robust and easy for installations in or out of houses or buildings.



- | | |
|------------------------|--------------------|
| 1. Filler | 6. Waterproof Tape |
| 2. Loose tube | 7. Band |
| 3. Colored Coating | 8. PSP |
| 4. Central Member | 9. Outer Jacket |
| 5. Water-blocking Yarn | 10. Ripcords |

Fiber Parameters

Items	Specifications (10G-OM3)
Core diameter	50.0 ± 3.0
Cladding diameter	125.0um ± 1.0um
Core non-circularity	≤ 6.0%
Cladding non-circularity	≤ 2.0%
Core cladding concentricity error	≤ 1.0um
Coating diameter	245um ± 5um
Coating non circularity	≤ 6.0%
Cladding coating concentricity error	≤ 12.0um
OFL Bandwidth 850nm	≥ 1500 MHz-km
OFL Bandwidth 1300nm	≥ 500nm MHz-km
Effective Modal Bandwidth 850nm	≥ 2000 MHz-km
Effective Modal Bandwidth 1300nm	≥ 500nm MHz-km
Attenuation Coefficient 850nm	≤ 3.0 dB/km
Attenuation Coefficient 1300nm	≤ 1.0 dB/km
Parameter standards	IEC60793-2-10

Items		Specifications
Fibers		12
Colored Coating Fiber	Dimensions	250um ± 15um
Loose tube	Dimensions	1.95mm ± 0.05mm
	Material	PBT
Filler	Dimensions	1.95mm ± 0.05mm
	Material	PP
	Color	Red, Green, Natural, Natural
Strength Member	Material	FRP
	Diameter	1.5mm
Outer Jacket	Dimensions	10mm ± 0.3mm
	Material	PE
	Color	Black

Mechanical and Environmental Characteristics	
Items	Specifications
Tension in Long term (N)	600
Tension in Short term (N)	1500
Crush in Long term (N/10cm)	300
Crush in Short term (N/10cm)	1000
Min. Bend Radius Dynamic (mm)	20D
Min. Bend Radius Static (mm)	10D
Installation Temperature (C)	-20 ~ +60
Operating Temperature (C)	-40 ~ +70