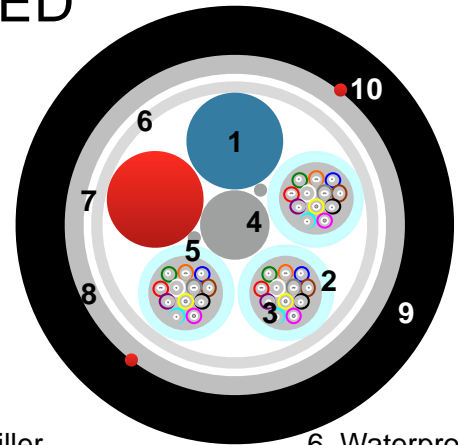


FIBER OPTIC LOOSE TUBE ARMORED

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

Fiber Parameters			
Items		Unit	Specifications (G.652D)
Mode Field Diameter	1310nm	um	9.2 ± 0.4
	1550nm	um	10.4 ± 0.5
Cladding Diameter		um	124.8 ± 0.7
Cladding Non-Circularity		%	≤0.7
Core-Cladding Concentricity Error		um	≤0.5
Coating Diameter		um	245 ± 5
Coating Non-Circularity		%	≤6.0
Cladding-Coating Concentricity Error		um	≤12.0
Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
Attenuation (max)	1310nm	dB/km	≤0.36
	1550nm		≤0.22

Items		Specifications
Fibers		36
Colored Coating Fiber	Dimensions	250um ± 15um
Loose tube	Dimensions	1.95mm ± 0.05mm
	Material	PBT
Filler	Dimensions	1.95mm ± 0.05mm
	Material	PP
	Color	Customized
Strength Member	Material	FRP
	Diameter	1.5mm
Outer Jacket	Dimensions	10.0mm ± 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