



INDOOR CABLE

Micro Bundle

* Content is subject to change without notice.

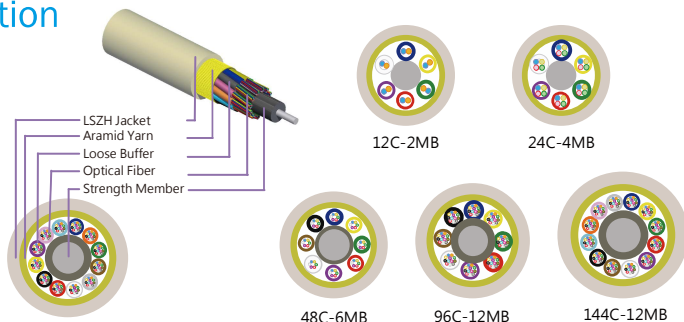


INDOOR CABLE

Product Information

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Construction



Description

This all-dielectric compact cable contains 6, 8 or 12 micro bundles with 2, 4, 6 or 12 fibers. These bundles are stranded around FRP central strength element and surrounded with aramid yarn as strength members. Outer sheath is LSZH material.

Application

- Indoor riser
- FTTX indoor use
- Distribution
- Indoor access and data centers

Specification

Cable Type	12C-2MB	24C-4MB	48C-6MB	96C-12MB	144C-12MB
Fiber Count	12	24	48	96	144
Central Strength Member	FRP (coating LSZH)				
CSM Diameter: mm (approx)	1.3	1.8	2.6	4.5	
Sheath	LSZH				
Cable Diameter: mm (approx)	5.3	5.5	6.5	7.6	9.6
Cable Weight: kg/km (approx)	25	30	38	50	82
Max. Tensile Strength	1320 N		1500 N		
Min. Bend Radius	Loaded: 20 times of cable diameter				
	Unloaded: 10 times of cable diameter				

* LSZH: Low Smoke Zero Halogen.

Features and Benefits

- All dielectric and dry design
- Compact design for easy installation
- Easy mid-span entry and split out
- All available in singlemode and multimode fiber, including bend insensitive fiber type
- Compliant with EIA/TIA 568 and Telcordia GR-409-CORE standards

Color Code

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

* Color arrangement would be changed to meet customers' requests.

Fiber Specification

Fiber Attenuation	Singlemode	1310nm \leq 0.4 dB/km	Mode-Field Diameter(SM)	1310 nm: 9.2 μ m \pm 0.4 μ m
		1550nm \leq 0.3 dB/km		G.652D
	Multimode	850nm \leq 3.5 dB/km	G.657A	1310 nm: 8.9 μ m \pm 0.4 μ m
		1300nm \leq 1.0 dB/km		1550 nm: 10.0 μ m \pm 0.7 μ m
Bandwidth(MM)	OM2-50/125	850nm \geq 500 MHz-km	Multimode Core	50: 50 μ m \pm 3 μ m
		1300nm \geq 500 MHz-km		62.5: 62.5 μ m \pm 3 μ m
	OM3-50/125	850nm \geq 1500 MHz-km	Cladding Diameter	125 μ m \pm 1 μ m
		1300nm \geq 500 MHz-km	Coating Diameter	250 μ m \pm 15 μ m
	62.5/125	850nm \geq 200 MHz-km		
		1300nm \geq 500 MHz-km		

Mechanical Specification (added attenuation: dB)

Tensile Strength	TIA/EIA-455-33	Singlemode \leq 0.2 ; Multimode \leq 0.3
Crush Resistance	TIA/EIA-455-41	Singlemode \leq 0.2 ; Multimode \leq 0.3
Cyclic Flexing	TIA/EIA-455-104	Singlemode \leq 0.2 ; Multimode \leq 0.3
Impact Resistance	TIA/EIA-455-25	Singlemode \leq 0.2 ; Multimode \leq 0.3
Cable Twist	TIA/EIA-455-85	Singlemode \leq 0.2 ; Multimode \leq 0.3

* Compliant with Telcordia GR-409-Core and EIA/TIA standards.

Environmental Condition

Temperature Range	Storage	-30°C to + 70°C
	Operating	-20°C to + 70°C
	Installation	-20°C to + 70°C

Ordering Information

Cable Type	12C-2MB	24C-4MB	48C-6MB	96C-12MB	144C-12MB
Fiber Count	12	24	48	96	144
Fiber Type	Singlemode: G.652D, G.657A Multimode: OM1, OM2 or OM3				
Cable Outside Dia.	5.3 mm	5.5 mm	6.5 mm	7.6 mm	9.6 mm
Jacket Type	LSZH Jacket				