



INDOOR CABLE

Simplex & Zipcord

* Content is subject to change without notice.

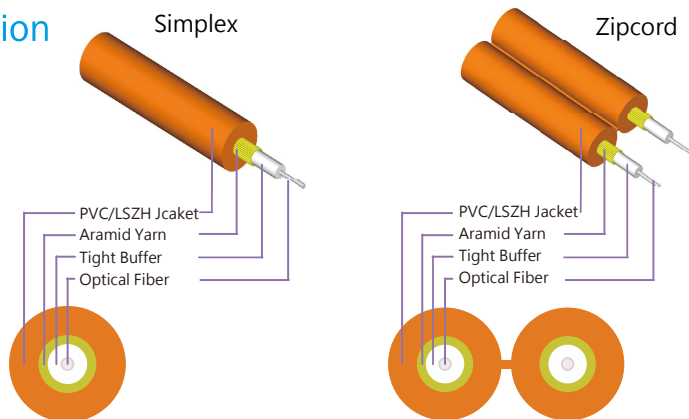


INDOOR CABLE

Product Information

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Construction



Description

Simplex and Zipcord cables are used in indoor cabinet or equipment rooms in application of requiring field connection, distribution and between different floors. These cables consist of aramid yarn as strength members. Outer sheath is PVC or LSZH material.

Specification

Cable Type	Simplex	Zipcord
Strength Member	Aramid Yarn	
Sheath	PVC or LSZH Jacket	
Cable Diameter (approx)	1.6 ~ 3.0 mm	2.8 x 6.1 mm
Cable Weight (approx)	2.8 ~ 8 kg/km	13 ~ 15 kg/km
Max. Tensile Strength	Short Term: 200 N	334 N
	Long Term: 66 N	111 N
Min. Bend Radius	Loaded: 20 times of cable diameter	
	Unloaded: 10 times of cable diameter	

Color Code

Singlemode	Multimode
Yellow	Orange

* Color arrangement would be changed to meet customers' requests

Application

- Work area
- Equipment connections
- Cross connect patchcord
- Suitable for traditional or SFF connectors

Features and Benefits

- Easy direct connection
- UL approval for OFNR riser type
- Buffer material is easy to be stripped
- Fiber type can be identified from outer jacket color
- Compliant with EIA/TIA 568 and Telcordia GR-409-CORE standards
- Small diameter and bend radius provide easy installation in space-constrained areas

Fiber Specification

Fiber Attenuation	1310nm	1550nm
Singlemode	1310nm \geq 0.4 dB/km	1550nm \geq 0.3 dB/km
	850nm \geq 3.5 dB/km	1300nm \geq 1.0 dB/km
Multimode	850nm \geq 500 MHz-km	1300nm \geq 500 MHz-km
	850nm \geq 1500 MHz-km	1300nm \geq 500 MHz-km
62.5/125	850nm \geq 200 MHz-km	1300nm \geq 500 MHz-km

Mode-Field Diameter(SM)	1310nm: 9.0 ~ 9.4 μ m, \pm 0.4 μ m
	1550nm: 10.0 ~ 10.7 μ m \pm 0.7 μ m
Multimode Core	50 50 μ m \pm 3 μ m
	62.5 62.5 μ m \pm 3 μ m
Cladding Diameter	125 μ m \pm 1 μ m
Coating Diameter	250 μ m \pm 15 μ m

Mechanical Specification (added attenuation: dB)

Parameter	TIA/EIA-455-33	Singlemode \leq 0.2 ; Multimode \leq 0.3
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	Simplex	Zipcord
Fiber Count	1 C	2 C
Fiber Type	Singlemode: G.652D Multimode: OM1, OM2 or OM3	
Cable Outside Diameter	1.6, 2.0, 2.4, 2.8 or 3.0 mm	0.9mm: 2.0 x 4.2; 2.8 x 6.1; 3.0 x 6.1 mm
Jacket Type	PVC or LSZH Jacket	



UFO COMMUNICATION

+886 2 26570589

www.ufoc.com.tw csr@ufoc.com.tw