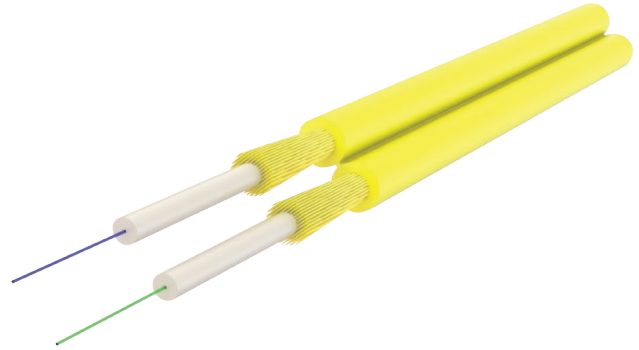


Duplex Cable - FIG 8 (1x2 OBK)

Design Type J-V(ZN)H-FIG 8 Indoor Cable

Properties

- Metal free indoor cable
- Completely dry design
- For direct connector assembly
- High flexibility and light weight
- Halogen free and non-corrosive fire gases
- Low fire load for high safety requirements
- Jacket material in accordance with UL 94V-0



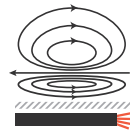
Best for Office and Data Center



Flame Retardant



Compact and Flexible



All Dielectric Construction



Perfect for Cord Manufacture



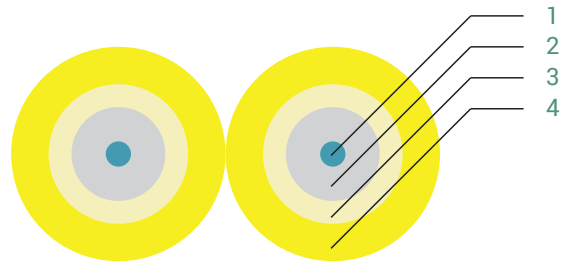
All Dry Materials



Indoor Only

Cable Construction

1 Fiber	SM or MM (250 μ)
2 Semi-Tight Buffer Tube	900μ LSZH
3 Strength Member	Aramid yarn
4 Inner Jacket	LSZH



Sheath Marking

Print Color	Black
Print Method	Ink-Jet
Cable Printing	Manufacturer name, work order no. , product code, cable type, date, meter marking

(length marking 1 m intervals)

Optical Characteristics and Physical Properties

Fiber Core Standards

Fiber Type		SM	OM2	OM3	OM4	Unit
Jacket Color	Wave Length	Yellow	Orange	Aqua	Violet	-
Attenuation (max. in cable)	@1310 nm	≤ 0.40	-	-	-	dB/km
	@1550 nm	≤ 0.25	-	-	-	dB/km
	@850 nm	-	≤ 2.7	≤ 2.7	≤ 2.7	dB/km
	@1300 nm	-	≤ 1.0	≤ 1.0	≤ 1.0	dB/km
Core Diameter		9.0 ±0.5	50 ±2.5	50 ±2.5	50 ±2.5	μm
Cladding Diameter		125 ±5.0	125 ±5.0	125 ±5.0	125 ±5.0	μm
Primary Coating Diameter		245 ±10	245 ±10	245 ±10	245 ±10	μm

Code	Standard
E9ST	Single Mode 9/125(ITU-T G.652.D)
E9A1	Single Mode 9/125(ITU-T G.657.A1)
E9A2	Single Mode 9/125(ITU-T G.657.A2)
E9B3	Single Mode 9/125(ITU-T G.657.B3)
G5M2	Multi Mode OM2 50/125(ITU-T G.651)
G5M3	Multi Mode OM3 50/125(ITU-T G.651)
G5M4	Multi Mode OM4 50/125(ITU-T G.651)

Mechanical and Environmental Properties

Test	Test Conditions	Type	Value	Unit	Method
Approx. Cable Diameter	-	1.4x3.0	-	mm	IEC 60811-203
		1.8x3.7			
		2.0x4.1			
Approx. Cable Weight	-	1.4x3.0	4.4	kg/km	-
		1.8x3.7	6.8		
		2.0x4.1	8.8		
Max. Tensile Strength	During installation	1.4x3.0	300	N	IEC 60794-1-2 E1
	In service		2x100		
	During installation	1.8x3.7	300	N	IEC 60794-1-2 E1
	In service		2x200		
	During installation	2.0x4.1	300	N	IEC 60794-1-2 E1
	In service		2x200		
Min. Bending Radius ^(*)	During installation	1.4x3.0	25	mm	IEC 60794-1-2 E11
	In service		25		
	During installation	1.8x3.7	50	mm	IEC 60794-1-2 E11
	In service		25		
	During installation	2.0x4.1	50	mm	IEC 60794-1-2 E11
	In service		25		
Crush Resistance	Short term	1.4x3.0	7500	N/dm	IEC 60794-1-2 E3
	Long term		2500		
	Short term	Other Types	10000	N/dm	IEC 60794-1-2 E3
	Long term		4000		
Impact Resistance	Wp=0.74J	1.4x3.0	10	impact	IEC 60794-1-2 E4
	Wp=1J	1.8x3.7	40		
		2.0x4.1	20		
Repeated Bending	r=25mm w=0.5 kg	1.4x3.0	1000	cycles	IEC 60794-1-2 E6
		1.8x3.7	5000		
		2.0x4.1	5000		
TemperatureRange	During installation		-10 to +50	°C	IEC 60794-1-22 F1
	In service	All types	-25 to +70		
	In storage		-40 to +70		

Combustion Properties

Fiber Type	Test Conditions	Type	Value	Unit	Result	Method
Fire Load	-	1.4x3.0	0.10	Mj/m	-	-
		1.8x3.7	0.13			
		2.0x4.1	0.22			
Fire Propagation	On a vertical single cable	-	-	-	passed	IEC 60332-1-2
Halogen Acid Gas	Jacket material	All types	-	-	passed	IEC 60754-1
Degree of Acidity	Jacket material	All types	-	-	passed	IEC 60754-2

* Smaller bending radius is possible with E9/125 LowBend (ITU G.657) and G50/125-OM3/OM4 BendOptimized

Cable Coding System

02 - A2 - 2.0 x 4.1 - D8 - VS - YE

Fiber Count	Fiber Code	Diameter	Cable Description	Tight Code	Jacket Color
SM G.652 D : 2D	MM OM2 : M2	1.4x3.0 mm		Semi Tight : VS	Yellow : YE
SM G.657 A1 : A1	MM OM3 : M3	1.8x3.7 mm		Tight : VT	Orange : OR
SM G.657 A2 : A2	MM OM4 : M4	2.0x4.1 mm			Aqua : AQ
SM G.657 B3 : B3					Violet : VI

Storage Handling and Laying

