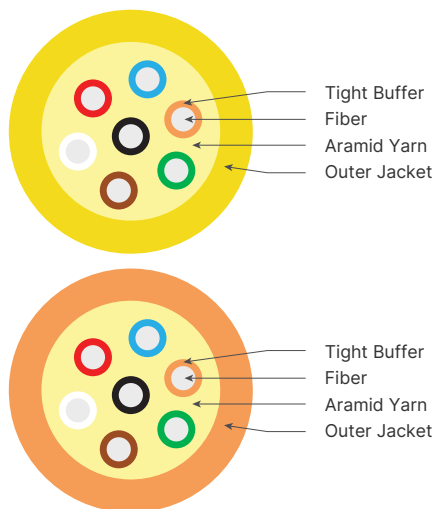
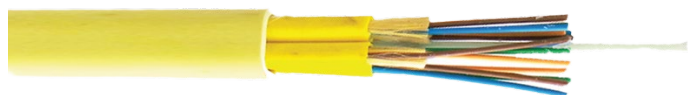


ODIZ Series

2-24 Cores Distribution Indoor Fiber Optic Cable



Single Mode

Item		Unit	G. 657A1	G. 657A2	G.652D
Mode field diameter	1310nm	μm	8.6 ± 0.4	8.6 ± 0.4	9.2 ± 0.4
	1550nm	μm	-	-	10.4 ± 0.8
Cladding diameter		μm	125.0 ± 0.7	125.0 ± 0.7	125.0 ± 0.7
Cladding non-circularity		%	≤1.0	≤1.0	≤1.0
Core/cladding concentricity error		μm	≤0.5	≤0.5	≤0.6
Coating diameter		μm	245 ± 10	245 ± 10	245 ± 10
Coating/cladding concentricity error		μm	≤12.5	≤12.5	≤12.5
Cable cut-off wavelength		nm	≤1260	≤1260	≤1260
Attenuation Coefficient	1310nm	dB/km	≤0.4	≤0.4	≤0.4
	1550nm	dB/km	≤0.3	≤0.3	≤0.3
Macro-bend loss (1 turn, 10mm radius)	1550nm	dB/km	≤0.75	≤0.4	-
	1625nm	dB/km	≤1.5	≤0.8	-
Proof stress level		kpsi	≥100	≥100	≥100

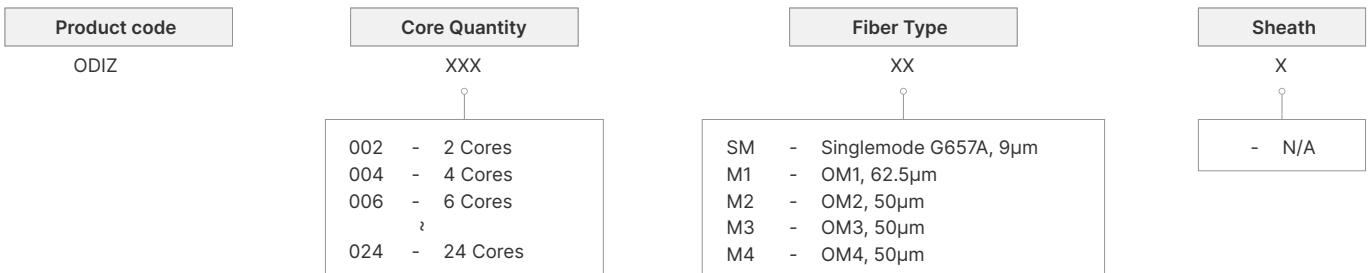
Multi Mode

Item		Unit	OM1	OM2	OM3	OM4
Core diameter		μm	62.5 ± 2.5	50 ± 2.5	50 ± 2.5	50 ± 2.5
Cladding diameter		μm	125.0 ± 1.0	125.0 ± 1.0	125.0 ± 1.0	125.0 ± 1.0
Cladding non-circularity		%	≤1.0	≤1.0	≤1.0	≤1.0
Core/cladding concentricity error		μm	≤1.5	≤1.5	≤1.5	≤1.5
Coating diameter		μm	245 ± 10	245 ± 10	245 ± 10	245 ± 10
Coating/cladding concentricity error		μm	≤12	≤12	≤12	≤12
OFL Bandwidth	850nm	MHz-km	≥160	≥500	≥1500	≥3500
	1300nm	MHz-km	≥500	≥500	≥500	≥500
Attenuation Coefficient	850nm	dB/km	≤3.5	≤3.5	≤3.5	≤3.5
	1300nm	dB/km	≤1.5	≤1.5	≤1.5	≤1.5
Proof stress level		kpsi	≥100	≥100	≥100	≥100

Cable Performance

Tight buffer fiber	Diameter	0.9±0.05mm						
	Material	LSZH						
	Number of cores	2	4	6	8	12	16	24
	Tight buffer color	Full color spectrum						
	Fiber color	Natural color						
Strength member	Material	Aramid yarn						
Outer jacket	Diameter (mm)	3.6±0.3	4.7±0.3	5.2±0.3	5.8±0.3	6.3±0.3	7.0±0.3	8.0±0.5
	Nominal Thickness (mm)	0.5	0.8	0.9	0.9	0.9	1.0	1.0
	Cable weight (kg/km)	10.8	20.1	25.6	30.2	36.3	46.2	60
	Material	LSZH						
	Color	Singlemode: Yellow Multimode: Orange						
Min. bending radius	Static	10 times cable diameter						
	Dynamic	20 times cable diameter						
Tensile performance	Short term	400N						
Crush	Short term	1000N/100mm						
Operation temperature	IEC 60794-1-2 F1	0°C + 50°C						

Ordering Information



Example

- ODIZ006SM** = IZ series indoor singlemode 9µm with 6 cores fiber optic cable.
- ODIZ012M2** = IZ series indoor multimode OM2, 50µm, 12 cores fiber optic cable.