

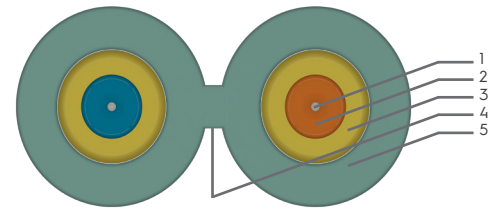
# Fiber Optic Cables

## Duplex Zipcord

J-V(ZN)H

Duplex Zipcord

RoHS REACH CE



### Application

- Easy strippable 900 µm diameter tight buffer fiber.
- Indoor and duct type applications; low smoke, zero halogen.
- Problem-free use in power lines due to its non-metallic construction.
- Indoor connection and patch cord applications.
- Completely dry design.

### Cable Construction

- 1 - Optical fiber core <sup>1</sup>
- 2 - HFFR insulated tight-buffered fiber of 900 µm diameter
- 3 - Non-metallic strength member (Aramid yarn)
- 4 - Web
- 5 - UV resistant halogen-free (LSOH) outer jacket

### Mechanical and Environmental Characteristics

	Test Standard	Specified Value	Acceptance Criteria
Maximum Installation Tension <sup>2</sup>	IEC 60794-1-2-E1	Max. 400 N	Fiber strain ≤ 0.33%
Maximum Operation Tension			Δα ≤ 0.05 dB, No fiber strain
Crush Strength	IEC 60794-1-2-E3	1000 N / 100 mm, max. 10 min	Δα ≤ 0.05 dB, No damage
Impact	IEC 60794-1-2-E4	10 Nm, 3 impacts, R= 300 mm	Δα ≤ 0.05 dB after the test
Torsion	IEC 60794-1-2-E7	1 m. 100N, +/- 180°, 5 cycles	Δα ≤ 0.05 dB, No damage
Repeated Bending	IEC 60794-1-2-E6	R=20x D, 100 N, 5 cycles	No damage
Bending Radius	IEC 60794-1-2-E11	R=20x D, 4 turns, 3 cycles	Δα ≤ 0.05 dB, No damage
Temperature Cycling	IEC 60794-1-2-F1	-20°C to +70°C	Δα ≤ 0.05 dB/km

### Application

	Minimum Bending Radius		Temperature Range		
Operation	20 x cable Ø	Storage	-40°C to +70°C	Installation	-30°C to +60°C
Fixed	15 x cable Ø	Transport	-40°C to +70°C	Operating	-40°C to +70°C

### Marking, Packing, Delivery Lengths

Marking	ETK Kablo <Date of Manufacture> <Fiber Count and Type> <Length Marking>
Packing	Wooden drum with protection
Delivery Lengths	2 km, 4 km ± %5 tolerance

### Test Standards

Low Smoke Test	Non-corrosiveness Test	Flame Retardancy Test
IEC 61034, EN 50268	IEC 60754, EN 50267	IEC 60332-1

#### Notes

<sup>1</sup> Optical fiber core could be applied as G.652.D, G.655, G.657.A1, G.657.A2, OM1, OM2, OM3, OM4 according to customer demand.

<sup>2</sup> Maximum tensile strength could be changed according to customer demand.

Manufacturing Standard: TS EN 60794-3-12

## Simplex Zipcord

Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0900.0.0001	SM G.652.D	2	2.0	10
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0625.0.0001	OM1	2	2.0	10
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0502.0.0001	OM2	2	2.0	10
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0503.0.0001	OM3	2	2.0	10
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0504.0.0001	OM4	2	2.0	10
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0900.1.0001	SM G.652.D	2	2.8	17
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0625.1.0001	OM1	2	2.8	17
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0502.1.0001	OM2	2	2.8	17
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0503.1.0001	OM3	2	2.8	17
Part Number	Core Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)
4.292.0.3.3.0504.1.0001	OM4	2	2.8	17