



### Application

- Low smoke, zero halogen.
- Completely dry design.

### Cable Construction

- 1 - Optical fiber core <sup>1</sup>
- 2 - Steel wire strength member
- 3 - 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. 600 N	Fiber strain ≤ 0.33%
Maximum Operation Tension			$\Delta\alpha \leq 0.05$ dB, No fiber strain
Crush Strength	IEC 60794-1-2-E3	800 N / 100 mm, max. 15 min.	$\Delta\alpha \leq 0.05$ dB, No damage
Impact	IEC 60794-1-2-E4	0.74 Nm, 3 impacts, R= 25 mm	$\Delta\alpha \leq 0.05$ dB after the test
Torsion	IEC 60794-1-2-E7	1 m. 100N, +/- 360°, 10 cycles	$\Delta\alpha \leq 0.05$ dB, No damage
Repeated Bending	IEC 60794-1-2-E6	R=20x D, 100 N, 35 cycles	No damage
Bending Radius	IEC 60794-1-2-E11	R=20x D, 5 turns, 3 cycles	$\Delta\alpha \leq 0.05$ dB, No damage
Temperature Cycling	IEC 60794-1-2-F1	-10°C to +60°C	$\Delta\alpha \leq 0.10$ dB/km
Waterproofness	IEC 60794-1-2-F5B	Sample= 3 m, water column= 1 m	No water leakage in 24 hours.

### Application

	Minimum Bending Radius		Temperature Range		
Operation	20 x cable Ø	Storage	-10°C to +70°C	Installation	-30°C to +60°C
Fixed	15 x cable Ø	Transport	-10°C to +70°C	Operating	-30°C to +60°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

## Drop

Part Number	Core Type	Fiber Count	Cable Dimensions (mm)	Cable Weight (kg/km)
4.2890.3.3.0900.0.0001	SM G.652.D	1	2.0 x 3.2	10
4.2890.3.3.0900.0.0002	SM G.652.D	2	2.0 x 3.2	10
4.2890.3.3.0900.0.0004	SM G.652.D	4	2.0 x 3.2	10
Part Number	Core Type	Fiber Count	Cable Dimensions (mm)	Cable Weight (kg/km)
4.2890.3.3.0971.0.0001	SM G.657.A1	1	2.0 x 3.2	10
4.2890.3.3.0971.0.0002	SM G.657.A1	2	2.0 x 3.2	10
4.2890.3.3.0971.0.0004	SM G.657.A1	4	2.0 x 3.2	10
Part Number	Core Type	Fiber Count	Cable Dimensions (mm)	Cable Weight (kg/km)
4.2890.3.3.0972.0.0001	SM G.657.A2	1	2.0 x 3.2	10
4.2890.3.3.0972.0.0002	SM G.657.A2	2	2.0 x 3.2	10
4.2890.3.3.0972.0.0004	SM G.657.A2	4	2.0 x 3.2	10