



## Technical Specifications

Construction		Technical Data-Mechanical	
<b>Exterior Jacket</b>		<b>Max. Loading (IEC794-1)</b>	02-30 Cores
Jacket Material	PE (Black)	Installation	1500 N
Jacket Average Thickness	Average 1.5 mm	Operation	600 N
<b>Internal Strength Member</b>	Steel Wire	<b>Crush Resistance (IEC794-1)</b>	
Cable Reinforcement (Armor)	APL (light Armor)	Installation	300N / 100mm
Fiber Size	50 / 125 micron	Operation	1000N / 100mm
<b>Buffer Size</b>		<b>Max. Bend Radius (IEC794-1)</b>	
Primary Buffer Size	250µm ± 50µm	Installation	20 x Diameter
Loose Tube Material	PBT	Operation	10x Diameter
<b>Aerial Strength Member</b>		<b>Temperature Rating Operation</b>	
Stranded wires	Steel (7 x 1.2mm)	Installation / Operation	-40°C to +70°C
Aerial Section Sheath Thickness	Average 1.0mm		

Cable Dimensions			
Fiber Count			02-30 Cores
Cable Weight & Diameter	Diameter (mm)	Approx. 5.6x9.2x16.8	
	Weight (kg/km)	Approx. 162kg	
Loose Tube	Material	PBT	
Internal Strength Member	Material	Steel Wire (1 x Central Rod)	
	Diameter	Approx 2.25mm	
External Strength Member	Material	Steel (7 x 1.2mm)	
	Diameter	Approx. 5mm	

Technical Data-Transmission								
Fiber type	Attenuation				OFL bandwidth	Effective modal bandwidth	10 Gigabit Ethernet SX	Min bend radius
Conditions	1310/1550nm		850/1300nm		850/1300nm	850nm	850nm	/
	Typical	Maximum	Typical	Maximum				
Unit	dB/km	dB/km	dB/km	dB/km	Mhz/Km	Mhz/Km	m	mm
<b>G652D</b>	≤0.36 / ≤0.22	0.5 / 0.4	---	---	---	---	---	16
<b>OM1</b>	---	---	≤3.3 / ≤1.0	<b>3.5 / 1.5</b>	≥200 / 600	---	---	30
<b>OM2</b>	---	---	≤3.0 / ≤1.0	3.5 / 1.5	≥500 / 500	---	---	30
<b>OM3</b>	---	---	≤3.0 / ≤1.0	3.5 / 1.5	≥1500 / 500	≥2000	≤300	30

## Color Arrangement

Fiber Colors						
No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

The second set of 12 fibers with black rings is separated from the first set of 12.

Tube Colors						
No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

Each tube containing either 6 or 12 separate fiber cores as per color coding above.

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