

Introduction Cables

Part Number Coding (except Plenum Optical Fiber)

1	2	Product	3	Type	4	Construction	5	Quality	6	Fiber Count (mm)	7	Fiber Count
G	A	Messenger figure 8	A	Aramid	A	CLT T12 [1x12]	1	62.5/125-OM1	A	Simplex Duplex 1.6 mm		
	B	Outdoor Dry MLT	B	Breakout	B	CLT T24 [1x24]	2	50/125-OM2	B	Simplex Duplex 1.8 mm		
	C	Universal Dry MLT	C	CST Single sheath	C	MLT T48 [6x8] (helical)	3	50/125-OM3	C	Simplex Duplex 2.0 mm		
	D	Outdoor Filled MLT	D	CST Double Sheath	D	MLT T72 [6x12]	4	50/125-OM2e	D	Simplex Duplex 2.4 mm		
	E	Universal Filled MLT	F	FRP	E	MLT T96 [8x12]	5	50/125-OM2	E	Simplex Duplex 2.8 mm		
	I	Indoor	L	AL/PE Sheath	F	MLT T144 [12x12]	6	50/125-OM3+	F	Simplex Duplex 3.0 mm		
	M	Mobile	M	Mini-Breakout	G	MLT T36 [6x6]	7	9/125-G655	0-9	Part of Fibercount	0-9	Part of Fibercount
	O	Outdoor Dry	O	Pigtail	H	MLT T24 [6x4]	8	9/125-G652D				
	U	Universal Dry	P	Patchcord	I	MLT T192 [8x24]	9	9/125-G652B				
			R	Improved RP	J	MLT T288 [12x24]	0	No Fiber, APF				
			S	Standard RP	K	Semi-Tight (dry)						
			X	Mini-BO+RP	L	MLT T432 [18x24]						
			W	SWA	M	MLT T216 [18x12]						
					S	Semi-Tight (Jelly-Filled)						
					T	Tight						

RP = Rodent Protection • SWA = Galvanised Steel Wire Armor • CST = Corrugated Steel Tape • FRP = Fiber Reinforced Plastic Armor

To specify Part Number

1. Example: GIBT412

1	2	3	4	5	6	7
G	I	B	T	4	1	2
Fiber	Indoor	Breakout	Tight Buffer	50/125-OM2e	12	

2. Example: GDDF744

1	2	3	4	5	6	7
G	D	D	F	7	4	4
Fiber	MLT Outdoor Filled SZ	CST Double Sheat	MLT144 (12x12)	9/125-G655	144	

Optical Characteristics

European Part Number Coding (position 5)	Fiber-Type	Mode-Field Diameter / Cladding Diameter (µm)	Wavelength (nm)	Dispersion (ps / (nm • km))	PMD (ps / √km)	Cable Cut-off Wavelength (nm)	Refractive Index	Attenuation	
								Loose Tube Cables average/max. (dB/km)	(Semi-) Tight average/max. (dB/km)
Characteristics (Cabled) Single-Mode – Matched-Cladded Optical Fibers according to ITU-G.652									
9	9/125-OS1 ITU-G.652B	9.2 ± 0.4 125 ± 1	1310 1550	≤ 3.5 ≤ 18	≤ 0.2	≤ 1260	1.467 1.467	0.32/0.4 0.21/0.3	0.35/0.5 0.21/0.3
8	9/125-OS1 ITU-G.652D	9.2 ± 0.4 125 ± 0.7	1310 1550	≤ 3.5 ≤ 18	≤ 0.2	≤ 1260	1.467 1.467	0.32/0.4 0.21/0.3	0.35/0.5 0.21/0.3
Characteristics (Cabled) Single-Mode – Matched-Cladded Optical Fibers According to ITU-G.655									
7	9/125	8.4 ± 0.6/125 ± 1	1550	3.5 - 8.5	≤ 0.1 ^A	≤ 1260	1.470	0.25/0.3	0.25/0.28

Note A: Link design value

European Part Number Coding (position 5)	Fiber-Type	Core / Cladding Diameter (µm)	Wavelength (nm)	Bandwidth (MHz • km)	Ethernet Performance (m)		Numerical Aperture (µm)	Refractive Index	Attenuation	
					1GbE	10GbE			Loose Tube Cables average/max. (dB/km)	(Semi-) Tight average/max. (dB/km)
Characteristics (Cabled) Multimode – Graded-Index Optical Fibers According to IEC 60793										
1	62.5/125 OM1	62.5 ± 2.5 125 ± 1	850 1300	≤ 200 ≤ 600	275 550	33 N.A.	0.275 ± 0.015	1.495 1.490	2.7/3.2 0.6/1.1	3.0/3.2 0.7/0.9
5	50.0/125 OM2	50.0 ± 2.5 125 ± 1	850 1300	≤ 500 ≤ 500	600 600	82 N.A.	0.200 ± 0.015	1.481 1.476	2.4/3.0 0.7/1.0	2.6/2.8 0.6/0.9
2	50.0/125 OM2	50.0 ± 2.5 125 ± 1	850 1300	≤ 600 ≤ 1200	600 600	82 N.A.	0.200 ± 0.015	1.481 1.476	2.3/2.8 0.6/0.9	2.6/2.8 0.6/0.9
4	50.0/125 OM2e	50.0 ± 2.5 125 ± 1	850 1300	≤ 600 ≤ 1200	750 2000	110 N.A.	0.200 ± 0.015	1.481 1.476	2.3/2.8 0.6/0.9	2.6/2.8 0.6/0.9
3	50.0/125 OM3	50.0 ± 2.5 125 ± 1	850 1300	≤ 1500 ≤ 500	900 550	300 N.A.	0.200 ± 0.015	1.482 1.477	2.5/3.0 0.5/1.0	2.6/2.8 0.6/0.9
6	50.0/125 OM3+	50.0 ± 2.5 125 ± 1	850 1300	≤ 3500 ≤ 500	900 550	550 N.A.	0.200 ± 0.015	1.482 1.477	2.5/3.0 0.5/1.0	2.6/2.8 0.6/0.9