

Access building cables

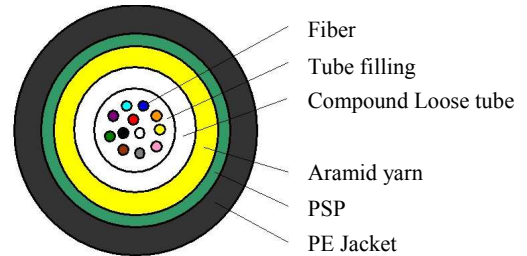
Application

- z Backbone in LAN's
- z Indoor /outdoor in ducts
- z Internal wiring/Fan-outs

General

This specification covers a series of cables with 2 to 12 fibers.

Construction



Ordering information:

MPC-G-Z

1 2 3

1 Select cable jacket color

Y=Yellow (single mode fiber)

O=Orange (multi mode fiber)

2 Select fiber counts

2~12

3 Select fiber type

B1=Single mode fiber

A1=50/125 μ m

A1b=62.5/125 μ m

Shipping information

Recommended Reel Length

1000M

Other lengths available upon request

Construction Data

Loose tube material	PBT
Water blocking material	Fiber filling
Core reinforce	Aramid yarn
Out jacket material	PE
Jacket thickness	1.5mm

Technical Data-Physical

Fiber count	2	4	6	8	10	12
Cable diameter(mm)	8.1 \pm 0.2					
Cable weight(kg/km)	54					
Temperature rating						
Operation	-20 ~+60					
Storage	-20 ~+60					

Technical Data-Mechanical

Max. loading(IEC794-1)	
Installation	660N
Operation	200N
Min bend radius(IEC794-1)	
With load(mm)	20×D
Without load(mm)	10×D
Crush resistance(IEC794-1)	1000N/100mm



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Technical Data-Transmission

Fiber type	Unit	Single-mode G652D	Multimode 50/125 μ m	Multimode 62.5/125 μ m	Multimode MaxBand300(OM3)	
Condition	nm	(1310/1550)	(850/1300)	(850/1300)	(850/1300)	
Attenuation	Typical	dB/km	0.36/0.22	3.0/1.0	3.0/1.0	3.0/1.0
	Maximum	dB/km	0.5/0.4	3.5/1.5	3.5/1.5	3.5/1.5
Bandwidth (Class A)	@850nm	MHz·km	----	≥ 500	≥ 200	≥ 1500
	@1300nm	MHz·km	----	≥ 1000	≥ 600	≥ 500
10Gb/s Ethernet link distance SX(850nm)	m	----	----	----	300	
Mode field diameter	μ m	9.2 \pm 0.4	----	----	----	
Core diameter	μ m	----	50 \pm 2.5	62.5 \pm 2.5	50 \pm 2.5	
Cladding diameter	μ m	125 \pm 1.0	125 \pm 1.0	125 \pm 1.0	125 \pm 1.0	
Coating diameter	μ m	242 \pm 7.0	242 \pm 7.0	242 \pm 7.0	242 \pm 7.0	

