

Multi-purpose distribution cables

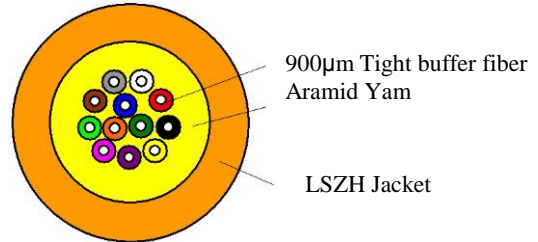
Application

- ⌘ For premises wiring
- ⌘ Indoor
- ⌘ Internal wiring

General

This specification covers a series of cables with 2 to 12 fibers.
The cable fulfils the fire performance test of IEC332-1 and IEC332-3C.

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=50/125µm
A1b=62.5/125µm

Shipping information

Recommended Reel Length
1000M

Other lengths available upon request

Construction Data

Tight buffer fiber Diameter	900 ± 50µm
Tight buffered fiber color	1.White 2.Blue 3. Orange 4.Green 5.Brown 6.Grey 7.Red 8.Black 9.Yellow 10.Violet 11.Pink 12.Aqua
Core reinforce	Aramid yarn
Out jacket material	LSZH

Technical Data-Physical

Fiber count	2	4	6	8	10	12
Cable diameter(mm)	3.2	4.8	5.1	5.6	5.8	6.2
Cable weight(kg/km)	11.3	21.6	25.5	31.4	35.0	40.3
Temperature rating						
Operation	-20°C ~ +60°C					
Storage	-20°C ~ +60°C					

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		Single-mode (1310/1550nm)	Multi-mode (50/125μm) (850/1300nm)	Multi-mode (62.5/125μm) (850/1300nm)
Attenuation	Typical	0.36/0.22	3.0/1.0	3.0/1.0
	Maximum	0.5/0.4	3.5/1.5	3.5/1.5
Zero Dispersion Slope		$<0.093 \text{ ps/km}\cdot\text{nm}^2$	----	----
Dispersion(1285~1340nm)		-3.5 – 3.5 ps/(nm·km)	----	----
Mode field Diameter		9.3±0.4 μm	----	----
Cutoff wavelength cable		<1270 nm	----	----
Bandwidth	@ 850nm	----	≥200 MHz·km	≥160 MHz·km
	@ 1300nm	----	≥400 MHz·km	≥200 MHz·km
Cladding diameter(μm)		125±1.0	125±1.0	125±1.0

