

多用途布线光缆 (MPC >12f)

Multi Purpose Distribution Cable

产品描述 Description

MPC多用途布线光缆使用6芯子单元(Φ900μm紧套光纤、芳纶加强元件), 非金属中心加强芯, 光缆子单元层绞于中心加强芯形成缆芯, 最外挤制一层低烟无卤材料(LSZH, 低烟、无卤、阻燃)护套而成。

MPC multi-purpose distribution cable use 6-fibre subunits(Φ900μm tight buffer fibre, aramid yarn as strength member), A fibre reinforced plastic(FRP) locates in the center of core as a non-metallic strength member. The subunits are stranded around the cable core. The cable is completed with a LSZH (Low smoke, Zero halogen, Flame-retardant) jacket.

产品特点 Characteristics

- 层绞式光缆结构, 非金属中心加强芯使光缆可以承受更大的拉力
Stranded non-metallic strength member structure ensure the cable endure larger tensile strength
- 光纤密度高, 容量大, 结构紧凑
Compact structure with high fibre capacity and density
- 外护材料耐腐蚀, 防水, 防紫外, 阻燃, 环保等优点
The jacket anti-corrosion, anti-water, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.
- 全介质结构, 不受电磁干扰
All dielectric structure protect it from electromagnetic influence
- 加工工艺严谨, 设计科学合理
Scientific design with serious processing art

产品应用 Applications

- 室内综合布线
Indoor any purpose cable distribution
- 作为大楼的主干布线光缆
Backbone distribution cable in a building

产品标准 Standards

满足YD/T 1258.4-2005; IEC 60332-1和IEC 60332-3C等标准。
Comply with Standard YD/T 1258.4-2005, IEC 60332-1 and IEC 60332-3C.

结构参数 Technical Parameters

光缆型号 Cable Code	光缆直径 Cable Diameter mm	光缆重量 Cable Weight kg/km	允许拉伸力 Tensile Strength 长期/短期 Long/Short term N	允许压扁力 Crush Resistance 长期/短期 Long/Short term N/100mm	弯曲半径 Bending Radius 动态/静态 Dynamic/Static mm
MPC-G-ZX ₂ -024Xn	10.4±0.5	96	400/1320	300/1000	200/100
MPC-G-ZX ₂ -030Xn	12.4±0.5	149	400/1320	300/1000	200/100
MPC-G-ZX ₂ -036Xn	13.5±0.5	185	400/1320	300/1000	200/100
MPC-G-ZX ₂ -048Xn	15.7±0.5	265	400/1320	300/1000	200/100
MPC-G-ZX ₂ -060Xn	18.0±0.5	350	400/1320	300/1000	200/100
MPC-G-ZX ₂ -072Xn	20.5±0.5	440	400/1320	300/1000	200/100
MPC-G-ZX ₂ -096Xn	20.5±0.5	448	400/1320	300/1000	200/100
MPC-G-ZX ₂ -108Xn	20.5±0.5	448	400/1320	300/1000	200/100

注: 光缆型号中X₂表示光缆护套颜色, 可选, 见订货信息栏; Xn表示光纤类型。在弯曲半径栏, D表示光缆直径。
使用的紧套光纤直径为900±50μm

Note: X₂ in cable code represents cable sheath colour, have different choice, see order information column; Xn represents fiber type. In bending radius column, D represents cable diameter.
Using TBF and its diameter is: 900±50μm

光学特性 Optical Characteristics

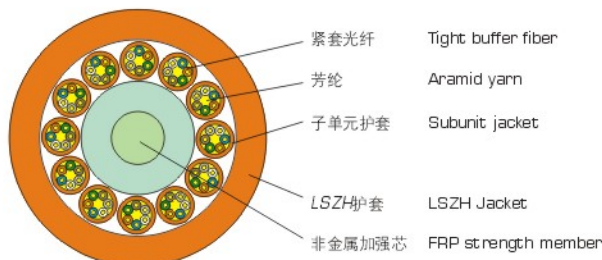
		50 / 125 μm	62.5 / 125 μm	G.652	G.655
衰减 Attenuation (+20°C)	@ 850 nm	≤ 3.5 dB/km	≤ 3.5 dB/km		
	@1300 nm	≤ 1.5 dB/km	≤ 1.5 dB/km		
	@1310 nm			≤ 0.45 dB/km	≤ 0.50 dB/km
	@1550 nm			≤ 0.30 dB/km	≤ 0.50 dB/km
带宽 (A级) Bandwidth (Class A)	@ 850 nm	≥ 600 MHz·km	≥ 200 MHz·km		
	@1300 nm	≥ 1200 MHz·km	≥ 600 MHz·km		
数值孔径 Numerical Aperture		0.200 ± 0.015 NA	0.275 ± 0.015NA		
光缆截止波长 Cable Cut-off Wavelength λ _{cc}				≤ 1260 nm	≤ 1450 nm
温度附加衰减 Δα (-20°C~+80°C) Attenuation at temperature cycling Δα (-20°C~+80°C)	@1300 nm	≤ 0.50 dB/km	≤ 0.50 dB/km		
	@1550 nm			≤ 0.20 dB/km	≤ 0.20 dB/km

运输/储存/使用温度: -20°C~+60°C, 安装温度: -5°C~+50°C
Transport/Storage/Operating Temperature: -20°C~+60°C, Installation Temperature: -5°C~+50°C

订货信息 Order Information

MPC-G-Z□-□□

- 1 护套颜色 Sheath Colour
O-橙色 Orange
Y-黄色 Yellow
- 2 芯数 Fiber Counts
24~108
- 3 光纤类型 Fiber Type
B1-G.652
B1.8-G.652.D
B4-G.655
E1-EasyBand®G.657
E1.1-EasyBand®Plus G.657
A1-50/125μm
A1b-62.5/125μm
A1H-HiBand®50/125
A1bH-HiBand®62.5/125
M1-MaxBand®150
M3-MaxBand®300
M5-MaxBand®550



注: 子单元护套上打印连续数字, 区分子单元。
Note: The units have sequential numbering printed on the surface for identification.

光缆结构图
Cable Structure



交货长度 Delivery Length

推荐长度: 2000m; 可按客户要求提供其它长度。
Standard Reel Length: 2000m; Other lengths available on request.