

带状扁平光缆(RBC) Flat Fiber Ribbon Cable

产品描述 Description

RBC带状扁平光缆使用光纤带作为光传输介质,外覆一层芳纶作为受力加强单元,最外挤制一层扁平聚氯乙烯(PVC)或低烟无卤材料(LSZH,低烟、无卤、阻燃)护套而成。

RBC flat fiber ribbon cable use fiber ribbon as optical communication medium, the fibre ribbon wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a flat PVC or LSZH(Low smoke, Zero halogen, Flame-retardant) jacket.

产品特点 Characteristics

- 芳纶加强元件,使光缆有优异的抗拉性能
Aramid yarn as strength member make cable have excellent tensile strength
- 结构紧凑,纤密度高,柔软性、抗侧压性能好
Compact structure with high fibre density, good performance of flexibility and crush resistance
- 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

- 带状光纤活动连接跳线
Ribbon optical fibre jumper and pigtail
- 室内各种用途的布线
Indoor cable distribution for any purpose
- 光纤配线设备互联
Interconnect between optical fibre cable distribution equipment

产品标准 Standards

满足YD/T 1258.4-2005; PVC护套光缆符合UL认证OFNR要求。
Comply with Standard YD/T 1258.4-2005; and PVC jacket cable meet the requirements of UL OFNR.

结构参数 Technical Parameters

光缆型号 Cable Code	光缆尺寸 Cable Size 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	护套材料 Jacket Material
RBC-X ₁ -VX ₂ -04Xn	(3.7±0.4)×(2.5±0.2)	6.0	80/150	200/1000	60/30	PVC
RBC-X ₁ -VX ₂ -06Xn	(4.2±0.4)×(2.5±0.2)	6.5	80/150	200/1000	60/30	PVC
RBC-X ₁ -VX ₂ -08Xn	(4.7±0.4)×(2.5±0.2)	8.4	80/150	200/1000	60/30	PVC
RBC-X ₁ -VX ₂ -12Xn	(4.8±0.4)×(2.5±0.2)	8.5	80/150	200/1000	60/30	PVC
RBC-G-ZX ₂ -04Xn	(3.7±0.4)×(2.5±0.2)	6.8	80/150	200/1000	60/30	LSZH
RBC-G-ZX ₂ -06Xn	(4.2±0.4)×(2.5±0.2)	7.4	80/150	200/1000	60/30	LSZH
RBC-G-ZX ₂ -08Xn	(4.7±0.4)×(2.5±0.2)	9.6	80/150	200/1000	60/30	LSZH
RBC-G-ZX ₂ -12Xn	(4.8±0.4)×(2.5±0.2)	9.8	80/150	200/1000	60/30	LSZH

注:光缆型号中X₁表示光缆用途,X₂表示光缆护套颜色,均可选,见订货信息栏;Xn表示光纤类型。
Note: X₁ and X₂ in cable code represent cable purpose and cable sheath colour respectively, have different choice, see order information column; Xn represent's fiber type.

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 ± 0.015 NA		
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~+60°C) Attenuation at temperature cycling Δα (-20°C~+60°C)	@ 1300 nm	≤ 0.25 dB/km	≤ 0.25 dB/km		
	@ 1550 nm			≤ 0.10 dB/km	≤ 0.15 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

RBC-□-□□-□□
1 2 3 4 5

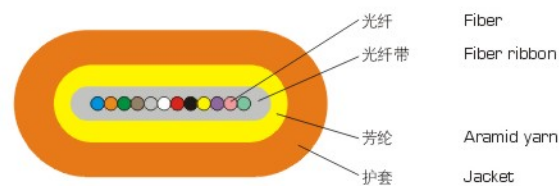
1 光缆用途 Cable Purpose
G-普通用途 OFNG
R-水阻阻燃 OFNR
P-风阻阻燃 OFNP

3 护套颜色 Jacket Colour
O-橙色 Orange
Y-黄色 Yellow

2 护套材料 Jacket Material
V-PVC护套 PVC Jacket
Z-LSZH护套 LSZH Jacket

4 芯数 Fiber Counts
04~12

5 光纤类型 Fiber Type
B1-G.652
B1.3-G.652.D
B4-G.655
E1-EasyBand®G.657
E1.1-EasyBand®Plus G.657
A1-50/125 μm
A1b-62.5/125 μm
A1H-HiBand®50/125
A1bH-HiBand®62.5/125
M1-MaxBand®150
M8-MaxBand®300
M5-MaxBand®550



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.