

## 多用途分支光缆(BOC) Multi Purpose Break-out Cable

### 产品描述 Description

BOC多用途光缆使用单芯光缆(Φ900μm紧套光纤、芳纶加强元件)作为子单元,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,最外挤制一层聚氯乙烯(PVC)或低烟无卤材料(LSZH,低烟、无卤、阻燃)护套而成。

BOC multi-purpose break-out cable use simplex cable(Φ900μm tight buffer fibre, aramid yarn as strength member) as subunit. 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 PVC or 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
- 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

- 室内的综合布线  
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; 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	护套材料 Jacket Material
BOC-X <sub>1</sub> -VX <sub>2</sub> -02X <sub>n</sub>	7.2±0.5	38	200/660	300/1000	20D/10D	PVC
BOC-X <sub>1</sub> -VX <sub>2</sub> -04X <sub>n</sub>	7.2±0.5	45.5	200/660	300/1000	20D/10D	PVC
BOC-X <sub>1</sub> -VX <sub>2</sub> -06X <sub>n</sub>	8.3±0.5	63	200/660	300/1000	20D/10D	PVC
BOC-X <sub>1</sub> -VX <sub>2</sub> -08X <sub>n</sub>	9.4±0.5	84	200/660	300/1000	20D/10D	PVC
BOC-X <sub>1</sub> -VX <sub>2</sub> -10X <sub>n</sub>	10.7±0.5	125	200/660	300/1000	20D/10D	PVC
BOC-X <sub>1</sub> -VX <sub>2</sub> -12X <sub>n</sub>	12.2±0.5	148	200/660	300/1000	20D/10D	PVC
BOC-X <sub>1</sub> -VX <sub>2</sub> -18X <sub>n</sub>	12.2±0.5	153	400/1320	300/1000	20D/10D	PVC
BOC-G-ZX <sub>2</sub> -02X <sub>n</sub>	7.2±0.5	45	200/660	300/1000	20D/10D	LSZH
BOC-G-ZX <sub>2</sub> -04X <sub>n</sub>	7.2±0.5	54	200/660	300/1000	20D/10D	LSZH
BOC-G-ZX <sub>2</sub> -06X <sub>n</sub>	8.3±0.5	75	200/660	300/1000	20D/10D	LSZH
BOC-G-ZX <sub>2</sub> -08X <sub>n</sub>	9.4±0.5	100	200/660	300/1000	20D/10D	LSZH
BOC-G-ZX <sub>2</sub> -10X <sub>n</sub>	10.7±0.5	145	200/660	300/1000	20D/10D	LSZH
BOC-G-ZX <sub>2</sub> -12X <sub>n</sub>	12.2±0.5	170	200/660	300/1000	20D/10D	LSZH
BOC-G-ZX <sub>2</sub> -18X <sub>n</sub>	12.2±0.5	176	400/1320	300/1000	20D/10D	LSZH

注: 光缆型号中X<sub>1</sub>表示光缆用途, X<sub>2</sub>表示光缆护套颜色, 均可选, 见订货信息栏; X<sub>n</sub>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: X<sub>1</sub> and X<sub>2</sub> in cable code represent cable purpose and cable sheath color respectively, have different choice, see order information column; X<sub>n</sub> represent 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 $\mu$ m	62.5 / 125 $\mu$ m	G.652	G.655
衰减 Attenuation (+20°C)	@ 850 nm	$\leq 3.5$ dB/km	$\leq 3.5$ dB/km		
	@1300 nm	$\leq 1.5$ dB/km	$\leq 1.5$ dB/km		
	@1310 nm			$\leq 0.45$ dB/km	$\leq 0.50$ dB/km
	@1550 nm			$\leq 0.30$ dB/km	$\leq 0.50$ dB/km
带宽 (A级) Bandwidth (Class A)	@ 850 nm	$\geq 600$ MHz·km	$\geq 200$ MHz·km		
	@1300 nm	$\geq 1200$ MHz·km	$\geq 600$ MHz·km		
数值孔径 Numerical Aperture		0.200 $\pm$ 0.015 NA	0.275 $\pm$ 0.015NA		
光缆截止波长 Cable Cut-off Wavelength $\lambda_{cc}$				$\leq 1260$ nm	$\leq 1450$ nm
温度附加衰减 $\Delta\alpha$ (-20°C~+60°C) Attenuation at temperature cycling $\Delta\alpha$ (-20°C~+60°C)	@1300 nm	$\leq 0.50$ dB/km	$\leq 0.50$ dB/km		
	@1550 nm			$\leq 0.20$ dB/km	$\leq 0.20$ 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

注: 可根据客户需求提供其它芯数光缆。

Note: Other fiber-count cables available on request.

订货信息 Order Information

BOC-□-□□-□□  
1 2 3 4 5

① 光缆用途 Cable Purpose

G-普通用途 OFNG  
R-水平阻燃 OFNR  
P-风道阻燃 OFIP

③ 护套颜色 Sheath Colour

O-橙色 Orange  
Y-黄色 Yellow

⑤ 光纤类型 Fiber Type

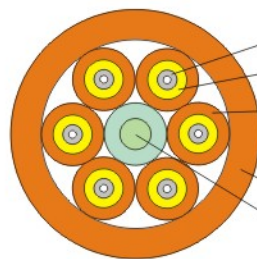
B1-G.652  
B1.3-G.652.D  
B4-G.655  
E1-EasyBand®G.657  
E1.1-EasyBand®Plus G.657  
A1-50/125  $\mu$ m  
A1b-62.5/125  $\mu$ m  
A1H-HiBand®50/125  
A1bH-HiBand®62.5/125  
M1-MaxBand®150  
M3-MaxBand®300  
M5-MaxBand®550

② 护套材料 Jacket Material

V-PVC护套 PVC Jacket  
Z-LGZH护套 LGZH Jacket

④ 芯数 Fiber Counts

02~18



紧套光纤 Tight buffer fiber  
芳纶 Aramid yarn  
子单元护套 Subunit jacket  
护套 Jacket  
非金属加强芯 FRP strength member

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.