

DATASHEET

ASU CABLE - SPAN 120 - 1-12 CORES



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OPTICAL FIBER CABLES

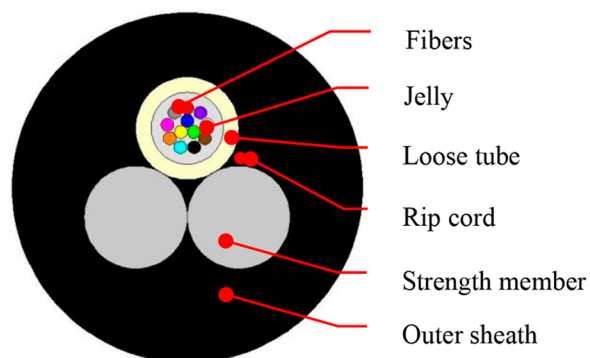
- ◆ 1-12 cores colored fiber
- ◆ Non-metallic self-supporting member
- ◆ Good-performance sheath materials

APPLICATION

- ◆ Outdoor cabling
- ◆ Suitable for aerial dropping

FEATURES

- ◆ Compact structure
- ◆ Able to be terminated onsite
- ◆ All dielectric structure, resistant to electromagnetic interference
- ◆ Easy for stripping, splicing, simplified installation and maintenance



- Not to scale-

STRUCTURE

ITEM		PERFORMANCE	
Material	Fiber type	ITU-T G.652D	
	Loose tube	PBT (polybutylene terephthalate)	
	Strength member	FRP (Fiber Reinforce Plastic)	
	Outer jacket	PE (Poly Ethylene)	
Cores		1 – 12 cores	120m Span
Diameter		$\Phi 7.0 \pm 0.3 \text{ mm}$	$\Phi 7.5 \pm 0.3 \text{ mm}$
Diameter Strength member		$\Phi 2.3 \pm 0.05 \text{ mm}$	$\Phi 2.3 \pm 0.05 \text{ mm}$
Loose tube		$\Phi 2.3 \pm 0.1 \text{ mm}$	$\Phi 2.3 \pm 0.1 \text{ mm}$
Outer jacket thickness		1.0/0.9mm	1.2/1.1mm
Cable weight		50 kg/km	50 kg/km
Max installation tension		850N	850N
*: Max wind speed: 25 m/s, no icing.			

TECHNICAL SPECIFICATIONS

ITEM	PERFORMANCE
Attenuation	$\leq 0.40 \text{ dB/km @1310 nm}$ $\leq 0.30 \text{ dB/km @1550 nm}$
Tensile strength	See table above (IEC 60794-1-21 E1) - Additional attenuation after test $\leq 0.05 \text{ dB@1550nm}$
Crush resistance	1000 N/100mm (IEC 60794-1-21 E3) -No fiber break, no sheath damage
Minimum bending radius	Dynamic: $20 \cdot D^+$ Static: $10 \cdot D$ +: D = Cable diameter
Environmental performance	RoHS

TEMPERATURE RANGE

Operating	Transportation & Storage	Installation
-20~+65°C	-20~+65°C	-10~+55°C

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