

DATASHEET

ASU CABLE - SPAN 80 - 1-12 CORES



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OPTICAL FIBER CABLES

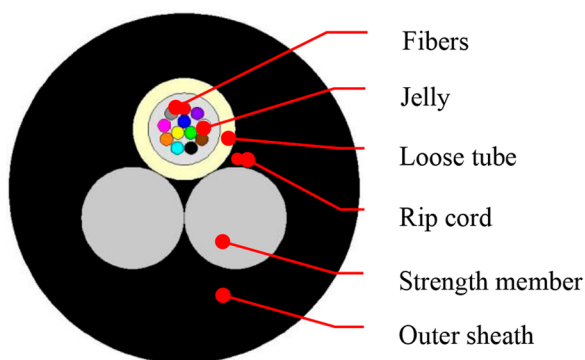
- ◆ 1-12 cores colored fiber
- ◆ Non-metallic self-supporting member
- ◆ Good-performance sheath materials

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		
Diameter		$\Phi 6.0 \pm 0.3 \text{ mm}$	$\Phi 6.2 \pm 0.3 \text{ mm}$	$\Phi 6.8 \pm 0.3 \text{ mm}$
Diameter Strength member		$\Phi 1.8 \pm 0.05 \text{ mm}$	$\Phi 1.8 \pm 0.05 \text{ mm}$	$\Phi 1.8 \pm 0.05 \text{ mm}$
Loose tube		$\Phi 2.1 \pm 0.1 \text{ mm}$	$\Phi 2.3 \pm 0.1 \text{ mm}$	$\Phi 2.3 \pm 0.1 \text{ mm}$
Outer jacket thickness		1.0/0.9mm	1.1/1.0mm	1.4/1.3mm
Cable weight		35 kg/km	35 kg/km	35 kg/km
Max installation tension		850 N	850 N	850 N
*: 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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