

# Access Building Cable ABC-I

## Description

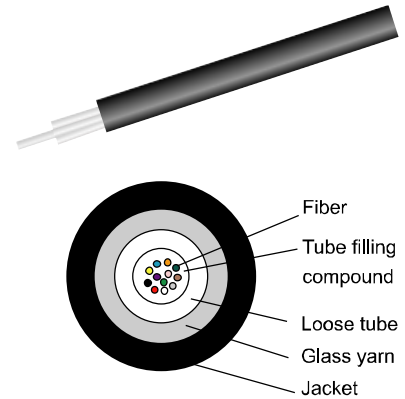
02 ~ 24 fibers, Unitube structure,  $\Phi 250 \mu\text{m}$  fibers, Loose tube, Glass yarn, LSZH Jacket (Low smoke, Zero halogen, flame-retardant).

## Part Number: 41010-NN-TP-MT

**NN:** Fiber Core number

**TP:** Fiber Type (06 means  $62.5/125\mu\text{m}$  OM1; 05 means  $50/125\mu\text{m}$  OM2; 09 means  $9/125\mu\text{m}$  OS1)

**MT:** Material Type (Z: LSZH)



## Standards

Comply with Standard YD/T 1258.4-2005, IECA-596, GR-409, IEC 794, IEC 332-1 and IEC 332-3C

Cable Code	ABC – I – 02 ~ 12	ABC – I – 14 ~ 24
Cable Diameter (mm)	$8.2 \pm 0.5$	$8.2 \pm 0.5$
Cable Weight (kg/km)	75	90
Unitube Diameter	3.0 mm	4.0mm

## Machanical Characteristics

Tensile Strength	Long term	600 N
	Short term	1000 N
Crush Resistance	Long term	300 N / 100mm
	Short term	1000 N / 100mm
Bending Radius	Dynamic	20 x D (Cable Diameter)
	Static	10 x D (Cable Diameter)

## Optical Characteristics

		50/125 $\mu$ m	62.5/125 $\mu$ m	G.652	G.655
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
Bandwidth (Class A)	@ 850 nm	$\geq 500$ MHz- km	$\geq 200$ MHz- km		
	@ 1300 nm	$\geq 1000$ MHz- km	$\geq 600$ MHz- km		
Numerical Aperture		$0.200 \pm 0.015$ NA	$0.275 \pm 0.015$ NA		
Cable Cut-off Wavelength				$\leq 1260$ nm	$\leq 1480$ nm
Attenuation at temperature cycling (-20°C ~ +85°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

## Environmental Characteristics

Transport Temperature	-20°C ~ +60°C
Storage Temperature	-20°C ~ +60°C
Installation Temperature	-5°C ~ +50°C
Operating Temperature	-20°C ~ +60°C

