

Simplex Indoor Cable

SXC

Description

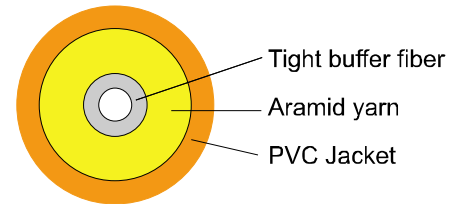
1 fiber, $\Phi 900 \mu\text{m}$ Tight buffer fiber, Aramid yarn, PVC Jacket.

Part Number: 41002-SZ-TP-MT

SZ: Size (I: 1.6mm; II: 2.0mm; III: 2.8mm)

TP: Fiber Type (06 means 62.5/125 μm OM1; 05 means 50/125 μm OM2; 09 means 9/125 μm OS1)

MT: Material Type (V: PVC; Z: LSZH)



Standards

Comply with Standard YD/T 1258.2-2003, IECA-596, GR-409m IEC 794, etc;

and meet the requirements of UL approval for OFNR and OFNP.

Cable Code	SXC-III	SXC-II	SXC-I
Cable Diameter	$2.8 \pm 0.2 \text{ mm}$	$2.0 \pm 0.2 \text{ mm}$	$1.6 \pm 0.2 \text{ mm}$
Cable Weight	6.9 kg/km	5.9 kg/km	4.0 kg/km
TBF Diameter	$900 \pm 50 \mu\text{m}$	$600 \pm 50 \mu\text{m}$	$600 \pm 50 \mu\text{m}$

Machanical Characteristics

Tensile Strength	Long term	80 N	60 N	
	Short term	150 N	120 N	
Crush Resistance	Long term	100 N / 100mm		
	Short term	500 N / 100mm		
Bending Radius	Dynamic	20 x D (Cable Diameter)		
	Static	10 x D (Cable Diameter)		

Optical Characteristics

		50/125 μ m	62.5/125 μ m	G.652	G.655
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
Bandwidth (Class A)	@ 850 nm	≥ 500 MHz- km	≥ 200 MHz- km		
	@ 1300 nm	≥ 1000 MHz- km	≥ 600 MHz- km		
Numerical Aperture		0.200 ± 0.015 NA	0.275 ± 0.015 NA		
Cable Cut-off Wavelength				≤ 1260 nm	≤ 1480 nm
Attenuation at temperature cycling (-20°C ~ +85°C)	@ 1300 nm	≤ 0.25 dB / km	≤ 0.25 dB / km		
	@ 1550 nm			≤ 0.10 dB / km	≤ 0.15 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

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