

REGIONTEL INDOOR FIBER CABLE 1 CORE 3MMΦ KEVLAR YARN LSZH

TECHINCAL SPECIFICATION

HS CODE : 8544700000

ORDER CODE	PRODUCT CODE	PRODUCT NAME
40000	RT-AC-INT-R-A2-1FO-SC/APC-I-5M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-5 metros (3mmφ)
40001	RT-AC-INT-R-A2-1FO-SC/APC-I-10M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-10 metros (3mmφ)
40002	RT-AC-INT-R-A2-1FO-SC/APC-I-20M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-20 metros (3mmφ)
40003	40001-RT-AC-INT-R-A2-1FO-SC/APC-I-30M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-30 metros(3mmφ)
40004	40002-RT-AC-INT-R-A2--1FO-SC/APC-I-40M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-40 metros (3mmφ)
40005	40003-RT-AC-INT-R-A2--1FO-SC/APC-I-50M	FTTH Acometida Marfil Redonda de interior one fiber G657A2-SC-APC-50 metros (3mmφ)
40006	40004-RT-AC-INT-R-A2--1FO-SC/APC-I-60M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-60 metros (3mmφ)
40007	40004-RT-AC-INT-R-A2--1FO-SC/APC-I-70M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-70 metros (3mmφ)
40008	40005-RT-AC-INT-R-A2-1FO-SC/APC-I-80M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-80 metros(3mmφ)
40009	40005-RT-AC-INT-R-A2-1FO-SC/APC-I-90M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-90 metros(3mmφ)
40010	40006-RT-AC-INT-R-A2--1FO-SC/APC-I-100M	FTTH Acometida Marfil Redonda de interior one fiber G657A2 -SC-APC-100 metros(3mmφ)

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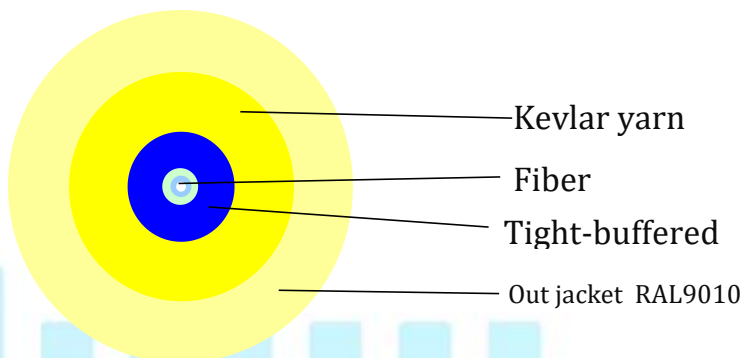
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REGIONTEL
A Better Way

1. Fiber Cable Name:

Indoor Fiber Cable 1 Core 3mm(or 1.8mm) Kevlar Yarn LSZH

2. Cable construction details :



Note : Structure drawing just for reference, please check the following details.

Items		Description
Number of fiber		1F
Tight Buffer	Material	PVC
	Diameter	0.9±0.05mm
Strength member	Material	Kevlar yarn
Outer sheath	Material	LSZH
	Diameter	2.9±0.05mm(1.9±0.05mm)
Cable weight		8.5±0.3KG(5±0.3KG)
Installation Temperature range (°C)		-20+70
Operation and transport temperature(°C)		-20+70
Min Bending Radius(mm)	Long term	10D
Min Bending Radius(mm)	Short term	20D
Min allowable Tensile Strength(N)	Long term	400
Min allowable Tensile Strength(N)	Short term	400
Crush Load (N/100mm)	Long term	100
Crush Load (N/100mm)	short term	500

3. Fiber Cable Performance

Fiber style		Unit	SM G657A2
condition		nm	1310/1550
attenuation		dB/km	$\leq 0.34/0.22$
Dispersion	1310nm	Ps/(nm*km)	≤ 18
	1550nm	Ps/(nm*km)	≤ 22
Zero dispersion wavelength		nm	$\geq 1302,$ ≤ 1322
Zero dispersion slope		nm	≤ 0.091
PMD Maximum Individual Fiber			≤ 0.2
PMD Design Link Value		Ps(nm ² *km)	≤ 0.08
Fiber cutoff wavelength λ_c		nm	$\geq 1180, \leq 1330$
Cable cutoff wavelength λ_{cc}		nm	≤ 1260
MFD	1310nm	um	9.2 ± 0.4
	1550nm	um	10.4 ± 0.8
Step(mean of bidirectional measurement)		dB	≤ 0.05
Irregularities over fiber length and point discontinuity		dB	≤ 0.05
Difference backscatter coefficient		dB/km	≤ 0.03
Attenuation uniformity		dB/km	≤ 0.01
Core diameter		um	9
Cladding diameter		um	125.0 ± 0.1
Cladding non-circularity		%	≤ 1.0
Coating diameter		um	242 ± 7
Coating/chaffinch concentricity error		um	≤ 12.0
Coating non circularity		%	≤ 6.0
Core/cladding concentricity error		um	≤ 0.6
Curl(radius)		um	≤ 4

4. Packaging Details

4.1. PRODUCT IDENTIFICATION

1) label size: Valve bag tag 70 mm * 40 mm, Material: coated paper.

Carton identification 100mm*50mm, material: coated paper.

2) The label name should clearly reflect the material name, specification model, product serial number, fiber performance parameters, the number of production and packaging



Valve bag tag



Carton identification

4.2 PACKAGING REQUIREMENTS

1) Blister box + Small plastic box + strong carton / customized for shipping



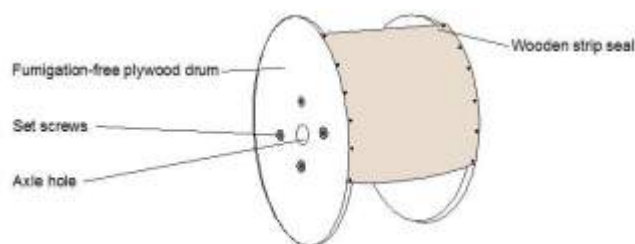
Package diagram



outer box

2) Or wooden strip seal type

Not allowed two length units of cable in one drum, two ends should be sealed,. Two ends should be packed inside drum, reserve length of cable not less than 3 meters.



5. Test Report

Adopt the fixed template or print according to customer's request