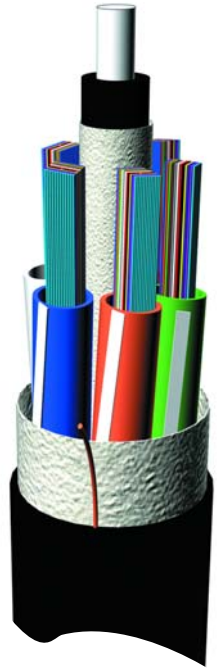
Alcatel 6820
Stranded Ribbon Cable

Insatiable bandwidth demand means continuously growing networks and the need to maximize density in a given infrastructure. Today's operators need high fiber count cables for critical backbone links, but don't always have duct space to fit them in. Excellent for metro applications or areas of dense population, Alcatel's high count stranded ribbon cable can enable operators to place up to 864 fibers in a cable only about an inch in diameter, optimizing potential revenue per cable pathway. Currently, ribbon cables are available only with Alcatel's standard singlemode fiber with AFC™ coating and ColorLock™.

The tables below provide information on standard cable configurations and sizes.



Alcatel optical fiber cable products are designed for optimum performance and ease of installation, in accordance with applicable industry technical specifications, standards and references including Telcordia GR-20, RUS, ICEA-640, TIA/EIA, IEC and EN.

FEATURES	BENEFITS
Small diameter	Low weight, easy handling and shipping Optimum utilization of ducts
Optical Fibers use revolutionary AFC™ coating with ColorLock™	Permanent and easy fiber identification
Fibers bundled in individual buffer tubes	Ease of installation, identification and routing
High fiber density	Reduces installation costs and extends pull distance
Precise fiber and ribbon geometries	Excellent mass fusion-splicing yields

1. Central Strength Member

2. Optical Fiber Ribbons
EZ Access® ribbon material

3. ABM2™ Buffer Tubes
The primary function of the tube is to protect fibers from tensile, thermal and vibration loads, maintaining their optical and mechanical integrity.

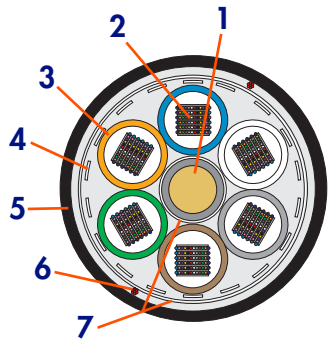
4. Strength Yarns
Strength yarns provide torsionally balanced tensile strength

5. Jacket
Non-reclaimed high quality polyethylene

6. Ripcords
High strength cords provide easy cable access

7. Water Blocking Tape
Prevents water ingress

Alcatel fiber optic cable products are engineered to provide optimum performance and network flexibility.



ALCATEL

ARCHITECTS OF AN INTERNET WORLD

Uz

Alcatel 6820
Stranded Ribbon Cable

Typically Deployed Globally

Dielectric - Mechanical Specifications

Part Number	Fiber Count	Outside Diameter		Cable Weight		Minimum Bend Radius			
						Inches		mm	
		Inches	mm	lb/kft	kg/km	W/Load	No Load	W/Load	No Load
U-SR-288-NA-SX	288	.96	24	312	465	19	10	480	250
U-SR-360-NA-SX	360	.96	24	312	471	19	10	480	250
U-SR-432-NA-SX	432	.96	24	320	476	19	10	480	250
U-SR-576-NA-SX	576	1.04	26.4	293	437	21	11	530	270
U-SR-720-NA-SX	720	1.04	26.4	293	437	21	11	530	270
U-SR-864-NA-SX	864	1.04	26.4	293	437	21	11	530	270

Armored - Mechanical Specifications

Part Number	Fiber Count	Outside Diameter		Cable Weight		Minimum Bend Radius			
						Inches		mm	
		Inches	mm	lb/kft	kg/km	W/Load	No Load	W/Load	No Load
U-SR-288-A1J-SX	288	1.0	26	411	612	20	15	510	380
U-SR-360-A1J-SX	360	1.0	26	408	607	20	15	510	380
U-SR-432-A1J-SX	432	1.0	26	404	601	20	15	510	380
U-SR-576-A1J-SX	576	1.16	29.46	370	550	23	18	590	450
U-SR-720-A1J-SX	720	1.16	29.46	370	550	23	18	590	450
U-SR-864-A1J-SX	864	1.16	29.46	370	550	23	18	590	450

Part Number Guide- a particular part number is NOT complete until you select a fiber type (SX)

U = Typically Deployed Globally
SR = Stranded Ribbon
= Fiber Count
NA = Non Armored (dielectric)
or A1J = Single Armored Single Jacket
SX = Fiber Type
S1 = Standard Singlemode

Alcatel reserves the right to change specifications without prior notice.

Standard Alcatel uses advanced ABM2 buffer tube material.

Installation

Maximum Installation Load: 1000 lbf (4448 N)
Maximum Operation Load: 300 lbf (1334 N)

Environmental

Temperature Range:
Installation: -30°C to +60°C
Operating: -40°C to +70°C
Storage: -50°C to +75°C

The above information provides typical values.

For additional information visit Alcatel online or call your nearest Optical Fiber Sales Representative

www.alcatel.com/opticalfiber

Brazil.....+55 11 3068 9993
France .....+33 1 55 51 51 51
France (HQ).....+33 1 39 19 12 00
Germany.....+49 2166 27 2164
India .....+91 11 335 9650
Spain.....+34 942 247 111
UK.....+44 1633 413 600
North America.....+1 828 459 9787
800 879 9862

Rev. 4, Oct. 01

ALCATEL

ARCHITECTS OF AN INTERNET WORLD