

# Alcatel 6801 Loose Tube Cable

Suitable for aerial, buried or duct applications, Loose Tube cables are the most widely used cables today. Alcatel Loose Tube cables are available in a wide variety of standard and customized configurations. Standard configurations are dielectric or armored with a single or dual jacket design. Loose tube cables are available with your choice

of Alcatel's \* SSMF, E-SMF, TeraLight™ fibers, or a combination of these.

The following tables provide information on standard cable configurations. Please contact your Alcatel sales representative for customized 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                                                                                   |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| ▶ Advanced "dry" water blocking materials                           | ▶ Provides faster and cleaner accessing and handling                                       |
| ▶ Optical fibers feature revolutionary AFC™ coating with ColorLock™ | ▶ Increased reliability and durability resulting in lower maintenance and replacement cost |
| ▶ Fibers in individual buffer tubes                                 | ▶ Ease of installation, identification and routing                                         |
| ▶ Central Strength Member (CSM)                                     | ▶ Provides tensile strength as well as buckling resistance                                 |
| ▶ Colored high strength ripcords                                    | ▶ Easy to identify, allow access through the armor/jacket                                  |
| ▶ High quality polyethylene jacket                                  | ▶ Excellent resistance to cracking abrasion during blown or pulled installation            |

## 1. Central Strength Member

## 2. Ripcord

Ripcords provide an easy means to remove the jacket and allow access to the buffer tubes.

## 3. Color-Coded Buffer Tube

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

## 4. Optical Fibers

Alcatel's premium color-coded singlemode optical fibers incorporates AFC™ coating with ColorLock™ for industry-leading long-term mechanical performance and color identification.

## 5. Armor (optional)

Corrugated steel tape for additional protection in buried environments.

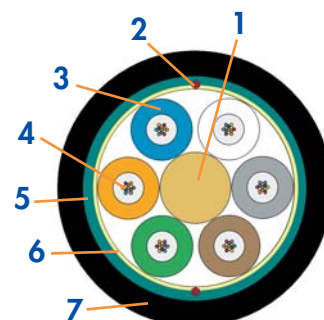
## 6. Strength Yarns

Strength yarns provide tensile strength.

## 7. Jacket

Non-reclaimed high quality polyethylene.

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



\* SSMF=Standard Single Mode Fiber  
E-SMF=Enhanced Single Mode Fiber

Typically Deployed in North and Latin America

## Dielectric - Mechanical Specifications

| Part Number    | Fiber Count | Outside Diameter |      | Cable Weight* |       | Minimum Bend Radius |         |        |         |
|----------------|-------------|------------------|------|---------------|-------|---------------------|---------|--------|---------|
|                |             | Inches           | mm   | lb/kft        | kg/km | Inches              |         | mm     |         |
|                |             |                  |      |               |       | W/Load              | No Load | W/Load | No Load |
| A-LT-12-NA-SX  | 12          | .46              | 11.7 | 66            | 98    | 9                   | 5       | 230    | 115     |
| A-LT-24-NA-SX  | 24          | .46              | 11.7 | 66            | 98    | 9                   | 5       | 230    | 115     |
| A-LT-36-NA-SX  | 36          | .46              | 11.7 | 66            | 98    | 9                   | 5       | 230    | 115     |
| A-LT-48-NA-SX  | 48          | .46              | 11.7 | 66            | 98    | 9                   | 5       | 230    | 115     |
| A-LT-60-NA-SX  | 60          | .46              | 11.7 | 66            | 98    | 9                   | 5       | 230    | 115     |
| A-LT-72-NA-SX  | 72          | .50              | 12.6 | 78            | 117   | 10                  | 5       | 250    | 125     |
| A-LT-84-NA-SX  | 84          | .53              | 13.5 | 89            | 133   | 11                  | 6       | 270    | 135     |
| A-LT-96-NA-SX  | 96          | .58              | 14.7 | 103           | 154   | 12                  | 6       | 295    | 150     |
| A-LT-108-NA-SX | 108         | .61              | 15.5 | 116           | 173   | 12                  | 6       | 310    | 155     |
| A-LT-120-NA-SX | 120         | .65              | 16.5 | 131           | 195   | 13                  | 7       | 330    | 165     |
| A-LT-132-NA-SX | 132         | .69              | 17.6 | 146           | 218   | 14                  | 7       | 350    | 175     |
| A-LT-144-NA-SX | 144         | .73              | 18.6 | 156           | 232   | 15                  | 8       | 370    | 190     |
| A-LT-156-NA-SX | 156         | .73              | 18.6 | 156           | 232   | 15                  | 8       | 370    | 190     |
| A-LT-168-NA-SX | 168         | .73              | 18.6 | 156           | 232   | 15                  | 8       | 370    | 190     |
| A-LT-180-NA-SX | 180         | .73              | 18.6 | 156           | 232   | 15                  | 8       | 370    | 190     |
| A-LT-192-NA-SX | 192         | .73              | 18.6 | 156           | 232   | 15                  | 8       | 370    | 190     |
| A-LT-204-NA-SX | 204         | .73              | 18.6 | 156           | 232   | 15                  | 8       | 370    | 190     |
| A-LT-216-NA-SX | 216         | .73              | 18.6 | 156           | 232   | 15                  | 8       | 370    | 190     |
| A-LT-228-NA-SX | 228         | .82              | 20.8 | 191           | 285   | 16                  | 9       | 420    | 210     |
| A-LT-240-NA-SX | 240         | .82              | 20.8 | 191           | 285   | 16                  | 9       | 420    | 210     |
| A-LT-264-NA-SX | 264         | .82              | 20.8 | 191           | 285   | 16                  | 9       | 420    | 210     |
| A-LT-276-NA-SX | 276         | .86              | 21.8 | 209           | 312   | 17                  | 9       | 440    | 220     |
| A-LT-288-NA-SX | 288         | .86              | 21.8 | 209           | 312   | 17                  | 9       | 440    | 220     |
| A-LT-312-NA-SX | 312         | .99              | 25.2 | 292           | 435   | 20                  | 10      | 500    | 250     |
| A-LT-336-NA-SX | 336         | .99              | 25.2 | 292           | 435   | 20                  | 10      | 500    | 250     |
| A-LT-360-NA-SX | 360         | .99              | 25.2 | 292           | 435   | 20                  | 10      | 500    | 250     |
| A-LT-384-NA-SX | 384         | .99              | 25.2 | 292           | 435   | 20                  | 10      | 500    | 250     |
| A-LT-408-NA-SX | 408         | .99              | 25.2 | 292           | 435   | 20                  | 10      | 500    | 250     |
| A-LT-432-NA-SX | 432         | .99              | 25.2 | 292           | 435   | 20                  | 10      | 500    | 250     |

Cables with up to 288 fibers contain 12 fibers per tube. Cables with over 288 fibers contain 24 fibers per tube.

\*Weights given are for dielectric central strength member (CSM).

Alcatel reserves the right to change specifications without prior notice.

Typically Deployed in North and Latin America

**Dielectric - Mechanical Specifications (continued)****Part Number Guide-** a particular part number is NOT complete until you select a fiber type (SX)**A** = Typically Deployed in North and Latin America**LT** = Loose Tube**###** = Fiber Count**NA** = Non Armored (dielectric)**SX** = Fiber Type

S1 = Standard Singlemode

S2 = Enhanced Singlemode

S3 = TeraLight Metro

S4 = TeraLight Ultra

**M** = Mixed fiber types (S1-S4)**Standard** Twelve fibers per tube; 24 fibers per tube for fiber counts greater than 288. Alcatel uses advanced ABM2 buffer tube material.**Installation****Maximum Installation Load:** 600 lbf (2670 N)**Maximum Operation Load:** 180 lbf (800 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.****\*NOTE:** This cable design is capable of operation at -50°C or below. If your application requires performance at these temperatures, please contact your Alcatel Sales Representative.

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

[www.alcatel.com/opticalfiber](http://www.alcatel.com/opticalfiber)

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|                            | <b>800 879 9862</b>      |



ARCHITECTS OF AN INTERNET WORLD

Typically Deployed in North and Latin America

## Armored - Mechanical Specifications

| Part Number     | Fiber Count | Outside Diameter |      | Cable Weight* |       | Minimum Bend Radius      |      |                      |     |
|-----------------|-------------|------------------|------|---------------|-------|--------------------------|------|----------------------|-----|
|                 |             | Inches           | mm   | lb/kft        | kg/km | Inches<br>W/Load No Load |      | mm<br>W/Load No Load |     |
| A-LT-12-A1J-SX  | 12          | .53              | 13.5 | 112           | 167   | 11                       | 8    | 270                  | 200 |
| A-LT-24-A1J-SX  | 24          | .53              | 13.5 | 112           | 167   | 11                       | 8    | 270                  | 200 |
| A-LT-36-A1J-SX  | 36          | .53              | 13.5 | 112           | 167   | 11                       | 8    | 270                  | 200 |
| A-LT-48-A1J-SX  | 48          | .53              | 13.5 | 112           | 167   | 11                       | 8    | 270                  | 200 |
| A-LT-60-A1J-SX  | 60          | .53              | 13.5 | 112           | 167   | 11                       | 8    | 270                  | 200 |
| A-LT-72-A1J-SX  | 72          | .58              | 14.7 | 130           | 193   | 12                       | 9    | 290                  | 220 |
| A-LT-84-A1J-SX  | 84          | .60              | 15.2 | 142           | 212   | 12                       | 9    | 310                  | 230 |
| A-LT-96-A1J-SX  | 96          | .65              | 16.5 | 161           | 239   | 13                       | 10   | 330                  | 250 |
| A-LT-108-A1J-SX | 108         | .69              | 17.5 | 177           | 264   | 14                       | 10.5 | 350                  | 260 |
| A-LT-120-A1J-SX | 120         | .73              | 18.5 | 195           | 291   | 15                       | 11   | 370                  | 280 |
| A-LT-132-A1J-SX | 132         | .77              | 19.6 | 214           | 319   | 15.5                     | 12   | 390                  | 293 |
| A-LT-144-A1J-SX | 144         | .80              | 20.3 | 227           | 338   | 16                       | 12   | 410                  | 310 |
| A-LT-156-A1J-SX | 156         | .80              | 20.3 | 227           | 338   | 16                       | 12   | 410                  | 310 |
| A-LT-168-A1J-SX | 168         | .80              | 20.3 | 227           | 338   | 16                       | 12   | 410                  | 310 |
| A-LT-180-A1J-SX | 180         | .80              | 20.3 | 227           | 338   | 16                       | 12   | 410                  | 310 |
| A-LT-192-A1J-SX | 192         | .80              | 20.3 | 227           | 338   | 16                       | 12   | 410                  | 310 |
| A-LT-204-A1J-SX | 204         | .80              | 20.3 | 227           | 338   | 16                       | 12   | 410                  | 310 |
| A-LT-216-A1J-SX | 216         | .80              | 20.3 | 227           | 338   | 16                       | 12   | 410                  | 310 |
| A-LT-228-A1J-SX | 228         | .89              | 22.6 | 273           | 407   | 18                       | 13   | 450                  | 340 |
| A-LT-240-A1J-SX | 240         | .89              | 22.6 | 273           | 407   | 18                       | 13   | 450                  | 340 |
| A-LT-264-A1J-SX | 264         | .89              | 22.6 | 273           | 407   | 18                       | 13   | 450                  | 340 |
| A-LT-276-A1J-SX | 276         | .94              | 23.9 | 296           | 442   | 19                       | 14   | 480                  | 360 |
| A-LT-288-A1J-SX | 288         | .94              | 23.9 | 296           | 442   | 19                       | 14   | 480                  | 360 |
| A-LT-312-A1J-SX | 312         | 1.06             | 26.8 | 371           | 553   | 21                       | 16   | 540                  | 400 |
| A-LT-336-A1J-SX | 336         | 1.06             | 26.8 | 371           | 553   | 21                       | 16   | 540                  | 400 |
| A-LT-360-A1J-SX | 360         | 1.06             | 26.8 | 371           | 553   | 21                       | 16   | 540                  | 400 |
| A-LT-384-A1J-SX | 384         | 1.06             | 26.8 | 371           | 553   | 21                       | 16   | 540                  | 400 |
| A-LT-408-A1J-SX | 408         | 1.06             | 26.8 | 371           | 553   | 21                       | 16   | 540                  | 400 |
| A-LT-432-A1J-SX | 432         | 1.06             | 26.8 | 371           | 553   | 21                       | 16   | 540                  | 400 |

Cables with up to 288 fibers contain 12 fibers per tube. Cables with over 288 fibers contain 24 fibers per tube.

\*Weights given are for dielectric central strength member (CSM).

Alcatel reserves the right to change specifications without prior notice.

Typically Deployed in North and Latin America

## Armored - Mechanical Specifications (continued)

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

**A** = Typically Deployed in North and Latin America

**LT** = Loose Tube

**###** = Fiber Count

**A1J** = Single Armored Single Jacket

**SX** = Fiber Type

S1 = Standard Singlemode

S2 = Enhanced Singlemode

S3 = TeraLight Metro

S4 = TeraLight Ultra

**M** = Mixed fiber types (S1-S4)

**Standard** Twelve fibers per tube; 24 fibers per tube for fiber counts greater than 288. Alcatel uses advanced ABM2 buffer tube material.

### Installation

**Maximum Installation Load:** 600 lbf (2670 N)

**Maximum Operation Load:** 180 lbf (800 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.

**\*NOTE:** This cable design is capable of operation at -50°C or below. If your application requires performance at these temperatures, please contact your Alcatel Sales Representative.

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| <b>North America</b> ..... | +1 828 459 9787   |
|                            | 800 879 9862      |

Typically Deployed in North and Latin America

## Armored Double Jacketed - Mechanical Specifications

| Part Number     | Fiber Count | Outside Diameter |      | Cable Weight* |       | Minimum Bend Radius      |      |                      |     |
|-----------------|-------------|------------------|------|---------------|-------|--------------------------|------|----------------------|-----|
|                 |             | Inches           | mm   | lb/kft        | kg/km | Inches<br>W/Load No Load |      | mm<br>W/Load No Load |     |
| A-LT-12-A2J-SX  | 12          | .58              | 14.7 | 148           | 221   | 12                       | 9    | 290                  | 220 |
| A-LT-24-A2J-SX  | 24          | .58              | 14.7 | 148           | 221   | 12                       | 9    | 290                  | 220 |
| A-LT-36-A2J-SX  | 36          | .58              | 14.7 | 148           | 221   | 12                       | 9    | 290                  | 220 |
| A-LT-48-A2J-SX  | 48          | .58              | 14.7 | 148           | 221   | 12                       | 9    | 290                  | 220 |
| A-LT-60-A2J-SX  | 60          | .58              | 14.7 | 148           | 221   | 12                       | 9    | 290                  | 220 |
| A-LT-72-A2J-SX  | 72          | .61              | 15.5 | 161           | 240   | 12                       | 9    | 310                  | 230 |
| A-LT-84-A2J-SX  | 84          | .66              | 16.8 | 188           | 280   | 13                       | 10   | 340                  | 250 |
| A-LT-96-A2J-SX  | 96          | .70              | 17.8 | 205           | 305   | 14                       | 10.5 | 360                  | 270 |
| A-LT-108-A2J-SX | 108         | .73              | 18.5 | 218           | 325   | 15                       | 11   | 370                  | 280 |
| A-LT-120-A2J-SX | 120         | .77              | 19.6 | 241           | 360   | 15                       | 12   | 390                  | 290 |
| A-LT-132-A2J-SX | 132         | .82              | 20.8 | 270           | 403   | 16                       | 12   | 420                  | 310 |
| A-LT-144-A2J-SX | 144         | .86              | 21.8 | 288           | 430   | 17                       | 13   | 440                  | 330 |
| A-LT-156-A2J-SX | 156         | .86              | 21.8 | 288           | 430   | 17                       | 13   | 440                  | 330 |
| A-LT-168-A2J-SX | 168         | .86              | 21.8 | 288           | 430   | 17                       | 13   | 440                  | 330 |
| A-LT-180-A2J-SX | 180         | .86              | 21.8 | 288           | 430   | 17                       | 13   | 440                  | 330 |
| A-LT-192-A2J-SX | 192         | .86              | 21.8 | 288           | 430   | 17                       | 13   | 440                  | 330 |
| A-LT-204-A2J-SX | 204         | .86              | 21.8 | 288           | 430   | 17                       | 13   | 440                  | 330 |
| A-LT-216-A2J-SX | 216         | .86              | 21.8 | 288           | 430   | 17                       | 13   | 440                  | 330 |
| A-LT-228-A2J-SX | 228         | .94              | 23.9 | 331           | 494   | 19                       | 14   | 480                  | 360 |
| A-LT-240-A2J-SX | 240         | .94              | 23.9 | 331           | 494   | 19                       | 14   | 480                  | 360 |
| A-LT-264-A2J-SX | 264         | .94              | 23.9 | 331           | 494   | 19                       | 14   | 480                  | 360 |
| A-LT-276-A2J-SX | 276         | .98              | 24.9 | 355           | 530   | 20                       | 15   | 500                  | 370 |
| A-LT-288-A2J-SX | 288         | .98              | 24.9 | 355           | 530   | 20                       | 15   | 500                  | 370 |

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

**A** = Typically Deployed in North and Latin America

**LT** = Loose Tube

**###** = Fiber Count

**A2J** = Single Armored Double Jacket

**SX** = Fiber Type

S1 = Standard Singlemode

S2 = Enhanced Singlemode

S3 = TeraLight Metro

S4 = TeraLight Ultra

**M** = Mixed fiber types (S1-S4)

Alcatel reserves the right to change specifications without prior notice.

**Standard** Twelve fibers per tube. Alcatel uses advanced ABM2 buffer tube material.

### Installation

**Maximum Installation Load:** 600 lbf (2670 N)

**Maximum Operation Load:** 180 lbf (800 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.

\*Weights given are for dielectric central strength member (CSM).

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

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Typically Deployed in Europe, Asia, Asia Pacific, Africa, and Latin America

## Dielectric - Mechanical Specifications

| Part Number    | Fiber Count | Outside Diameter |      | Cable Weight |       | Minimum Bend Radius      |                      |     |     |
|----------------|-------------|------------------|------|--------------|-------|--------------------------|----------------------|-----|-----|
|                |             | Inches           | mm   | lb/kft       | kg/km | Inches<br>W/Load No Load | mm<br>W/Load No Load |     |     |
| R-LT-12-NA-SX  | 12          | .44              | 11.3 | 62           | 92    | 9                        | 4                    | 230 | 110 |
| R-LT-24-NA-SX  | 24          | .44              | 11.3 | 62           | 92    | 9                        | 4                    | 230 | 110 |
| R-LT-36-NA-SX  | 36          | .44              | 11.3 | 62           | 92    | 9                        | 4                    | 230 | 110 |
| R-LT-48-NA-SX  | 48          | .44              | 11.3 | 62           | 92    | 9                        | 4                    | 230 | 110 |
| R-LT-60-NA-SX  | 60          | .44              | 11.3 | 62           | 92    | 9                        | 4                    | 230 | 110 |
| R-LT-72-NA-SX  | 72          | .44              | 11.3 | 62           | 92    | 9                        | 4                    | 230 | 110 |
| R-LT-84-NA-SX  | 84          | .50              | 12.6 | 79           | 118   | 10                       | 5                    | 250 | 130 |
| R-LT-96-NA-SX  | 96          | .50              | 12.6 | 79           | 118   | 10                       | 5                    | 250 | 130 |
| R-LT-108-NA-SX | 108         | .56              | 14.1 | 101          | 150   | 11                       | 5.5                  | 280 | 140 |
| R-LT-120-NA-SX | 120         | .56              | 14.1 | 101          | 150   | 12                       | 5.5                  | 280 | 140 |
| R-LT-132-NA-SX | 132         | .62              | 15.7 | 124          | 185   | 12                       | 6                    | 310 | 160 |
| R-LT-144-NA-SX | 144         | .62              | 15.7 | 124          | 185   | 12                       | 6                    | 310 | 160 |
| R-LT-156-NA-SX | 156         | .67              | 17.1 | 134          | 200   | 13                       | 7                    | 340 | 170 |
| R-LT-168-NA-SX | 168         | .67              | 17.1 | 134          | 200   | 13                       | 7                    | 340 | 170 |
| R-LT-180-NA-SX | 180         | .67              | 17.1 | 134          | 200   | 13                       | 7                    | 340 | 170 |
| R-LT-192-NA-SX | 192         | .67              | 17.1 | 134          | 200   | 13                       | 7                    | 340 | 170 |
| R-LT-204-NA-SX | 204         | .67              | 17.1 | 134          | 200   | 13                       | 7                    | 340 | 170 |
| R-LT-228-NA-SX | 228         | .67              | 17.1 | 134          | 200   | 13                       | 7                    | 340 | 170 |
| R-LT-240-NA-SX | 240         | .67              | 17.1 | 134          | 200   | 13                       | 7                    | 340 | 170 |
| R-LT-252-NA-SX | 252         | .72              | 18.4 | 158          | 236   | 15                       | 7                    | 370 | 180 |
| R-LT-264-NA-SX | 264         | .72              | 18.4 | 158          | 236   | 15                       | 7                    | 370 | 180 |
| R-LT-276-NA-SX | 276         | .72              | 18.4 | 158          | 236   | 15                       | 7                    | 370 | 180 |
| R-LT-288-NA-SX | 288         | .72              | 18.4 | 158          | 236   | 15                       | 7                    | 370 | 180 |
| R-LT-360-NA-SX | 360         | .82              | 20.9 | 205          | 305   | 17                       | 8                    | 420 | 210 |

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

**R** = Typically Deployed in Europe, Asia, Asia Pacific, Africa, and Latin America

**LT** = Loose Tube

**###** = Fiber Count

**NA** = Non Armored (dielectric)

**SX** = Fiber Type

S1 = Standard Singlemode

S2 = Enhanced Singlemode

S3 = TeraLight Metro

S4 = TeraLight Ultra

**M** = Mixed fiber types (S1-S4)

**Standard** Twelve fibers per tube. Alcatel uses advanced PBT buffer tube material.

### Installation

**Maximum Installation Load:** 2670 N (600 lbf)

**Maximum Operation Load:** 800 N (180 lbf)

### Environmental

**Temperature Range:**

Installation: -5°C to +40°C

Operating: -30°C to +60°C

Storage: -50°C to +60°C

The information provided are typical values.

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

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# Alcatel 6801 Loose Tube Cable

Rz

Typically Deployed in Europe, Asia, Asia Pacific, Africa, and Latin America

## Armored - Mechanical Specifications

| Part Number     | Fiber Count | Outside Diameter |         | Cable Weight |         | Minimum Bend Radius |    |     |     |
|-----------------|-------------|------------------|---------|--------------|---------|---------------------|----|-----|-----|
|                 |             | Inches           | mm      | lb/kft       | kg/km   | Inches              |    | mm  |     |
|                 |             | W/Load           | No Load | W/Load       | No Load |                     |    |     |     |
| R-LT-12-A1J-SX  | 12          | .52              | 13.2    | 107          | 160     | 10                  | 8  | 260 | 200 |
| R-LT-24-A1J-SX  | 24          | .52              | 13.2    | 107          | 160     | 10                  | 8  | 260 | 200 |
| R-LT-36-A1J-SX  | 36          | .52              | 13.2    | 107          | 160     | 10                  | 8  | 260 | 200 |
| R-LT-48-A1J-SX  | 48          | .52              | 13.2    | 107          | 160     | 10                  | 8  | 260 | 200 |
| R-LT-60-A1J-SX  | 60          | .52              | 13.2    | 107          | 160     | 10                  | 8  | 260 | 200 |
| R-LT-72-A1J-SX  | 72          | .52              | 13.2    | 107          | 160     | 10                  | 8  | 260 | 200 |
| R-LT-84-A1J-SX  | 84          | .59              | 14.9    | 134          | 200     | 12                  | 9  | 300 | 220 |
| R-LT-96-A1J-SX  | 96          | .59              | 14.9    | 134          | 200     | 12                  | 9  | 300 | 220 |
| R-LT-108-A1J-SX | 108         | .65              | 16.6    | 167          | 250     | 13                  | 10 | 330 | 250 |
| R-LT-120-A1J-SX | 120         | .65              | 16.6    | 167          | 250     | 13                  | 10 | 330 | 250 |
| R-LT-132-A1J-SX | 132         | .72              | 18.3    | 202          | 300     | 15                  | 11 | 370 | 270 |
| R-LT-144-A1J-SX | 144         | .72              | 18.3    | 202          | 300     | 15                  | 11 | 370 | 270 |
| R-LT-156-A1J-SX | 156         | .76              | 19.3    | 215          | 320     | 15                  | 11 | 390 | 290 |
| R-LT-168-A1J-SX | 168         | .76              | 19.3    | 215          | 320     | 15                  | 11 | 390 | 290 |
| R-LT-180-A1J-SX | 180         | .76              | 19.3    | 215          | 320     | 15                  | 11 | 390 | 290 |
| R-LT-192-A1J-SX | 192         | .76              | 19.3    | 215          | 320     | 15                  | 11 | 390 | 290 |
| R-LT-204-A1J-SX | 204         | .76              | 19.3    | 215          | 320     | 15                  | 11 | 390 | 290 |
| R-LT-228-A1J-SX | 228         | .76              | 19.3    | 215          | 320     | 15                  | 11 | 390 | 290 |
| R-LT-240-A1J-SX | 240         | .76              | 19.3    | 215          | 320     | 15                  | 11 | 390 | 290 |
| R-LT-252-A1J-SX | 252         | .81              | 20.8    | 232          | 375     | 17                  | 12 | 420 | 310 |
| R-LT-264-A1J-SX | 264         | .81              | 20.8    | 232          | 375     | 17                  | 12 | 420 | 310 |
| R-LT-276-A1J-SX | 276         | .81              | 20.8    | 232          | 375     | 17                  | 12 | 420 | 310 |
| R-LT-288-A1J-SX | 288         | .81              | 20.8    | 232          | 375     | 17                  | 12 | 420 | 310 |
| R-LT-360-A1J-SX | 360         | .91              | 23.0    | 288          | 428     | 18                  | 14 | 460 | 350 |

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

**R** = Typically Deployed in Europe, Asia, Asia Pacific, Africa, and Latin America

**LT** = Loose Tube

**###** = Fiber Count

**A1J** = Single Armored Single Jacket

**SX** = Fiber Type

S1 = Standard Singlemode

S2 = Enhanced Singlemode

S3 = TeraLight Metro

S4 = TeraLight Ultra

**M** = Mixed fiber types (S1-S4)

**Standard** Twelve fibers per tube. Alcatel uses advanced PBT buffer tube material.

### Installation

**Maximum Installation Load:** 2670 N (600 lbf)

**Maximum Operation Load:** 800 N (180 lbf)

### Environmental

**Temperature Range:**

Installation: -5°C to +40°C

Operating: -30°C to +60°C

Storage: -50°C to +60°C

The above information provides typical values.

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ARCHITECTS OF AN INTERNET WORLD

Rev 0, Jan. 02

Typically Deployed in Europe, Asia, Asia Pacific, Africa, and Latin America

**Double Jacketed - Mechanical Specifications**

| Part Number     | Fiber Count | Outside Diameter |      | Cable Weight |       | Minimum Bend Radius      |                          |                      |                      |
|-----------------|-------------|------------------|------|--------------|-------|--------------------------|--------------------------|----------------------|----------------------|
|                 |             | Inches           | mm   | lb/kft       | kg/km | Inches<br>W/Load No Load | Inches<br>W/Load No Load | mm<br>W/Load No Load | mm<br>W/Load No Load |
| R-LT-12-A2J-SX  | 12          | .61              | 15.6 | 148          | 220   | 12                       | 9                        | 310                  | 230                  |
| R-LT-24-A2J-SX  | 24          | .61              | 15.6 | 148          | 220   | 12                       | 9                        | 310                  | 230                  |
| R-LT-36-A2J-SX  | 36          | .61              | 15.6 | 148          | 220   | 12                       | 9                        | 310                  | 230                  |
| R-LT-48-A2J-SX  | 48          | .61              | 15.6 | 148          | 220   | 12                       | 9                        | 310                  | 230                  |
| R-LT-60-A2J-SX  | 60          | .61              | 15.6 | 148          | 220   | 12                       | 9                        | 310                  | 230                  |
| R-LT-72-A2J-SX  | 72          | .61              | 15.6 | 148          | 220   | 12                       | 9                        | 310                  | 230                  |
| R-LT-84-A2J-SX  | 84          | .68              | 17.3 | 178          | 265   | 14                       | 10                       | 350                  | 260                  |
| R-LT-96-A2J-SX  | 96          | .68              | 17.3 | 178          | 265   | 14                       | 10                       | 350                  | 260                  |
| R-LT-108-A2J-SX | 108         | .72              | 18.2 | 195          | 290   | 14                       | 11                       | 360                  | 270                  |
| R-LT-120-A2J-SX | 120         | .72              | 18.2 | 195          | 290   | 14                       | 11                       | 360                  | 270                  |
| R-LT-132-A2J-SX | 132         | .81              | 20.7 | 249          | 370   | 16                       | 12                       | 410                  | 310                  |
| R-LT-144-A2J-SX | 144         | .81              | 20.7 | 249          | 370   | 16                       | 12                       | 410                  | 310                  |
| R-LT-156-A2J-SX | 156         | .85              | 21.5 | 269          | 400   | 17                       | 13                       | 430                  | 320                  |
| R-LT-168-A2J-SX | 168         | .85              | 21.5 | 269          | 400   | 17                       | 13                       | 430                  | 320                  |
| R-LT-180-A2J-SX | 180         | .85              | 21.5 | 269          | 400   | 17                       | 13                       | 430                  | 320                  |
| R-LT-192-A2J-SX | 192         | .85              | 21.5 | 269          | 400   | 17                       | 13                       | 430                  | 320                  |
| R-LT-204-A2J-SX | 204         | .85              | 21.5 | 269          | 400   | 17                       | 13                       | 430                  | 320                  |
| R-LT-228-A2J-SX | 228         | .85              | 21.5 | 269          | 400   | 17                       | 13                       | 430                  | 320                  |
| R-LT-240-A2J-SX | 240         | .85              | 21.5 | 269          | 400   | 17                       | 13                       | 430                  | 320                  |
| R-LT-252-A2J-SX | 252         | .91              | 23.2 | 309          | 460   | 18                       | 14                       | 460                  | 350                  |
| R-LT-264-A2J-SX | 264         | .91              | 23.2 | 309          | 460   | 18                       | 14                       | 460                  | 350                  |
| R-LT-276-A2J-SX | 276         | .91              | 23.2 | 309          | 460   | 18                       | 14                       | 460                  | 350                  |
| R-LT-288-A2J-SX | 288         | .91              | 23.2 | 309          | 460   | 18                       | 14                       | 460                  | 350                  |
| R-LT-360-A2J-SX | 360         | 1.0              | 25.8 | 370          | 550   | 20                       | 15                       | 520                  | 390                  |

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