

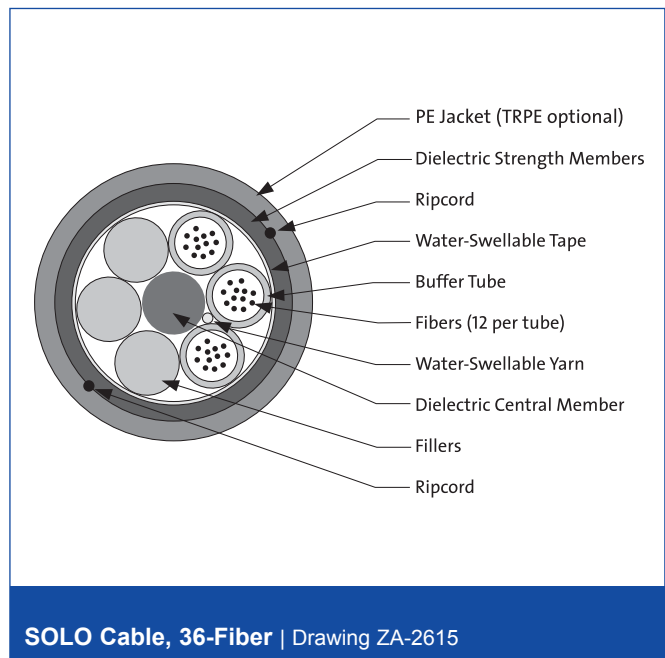
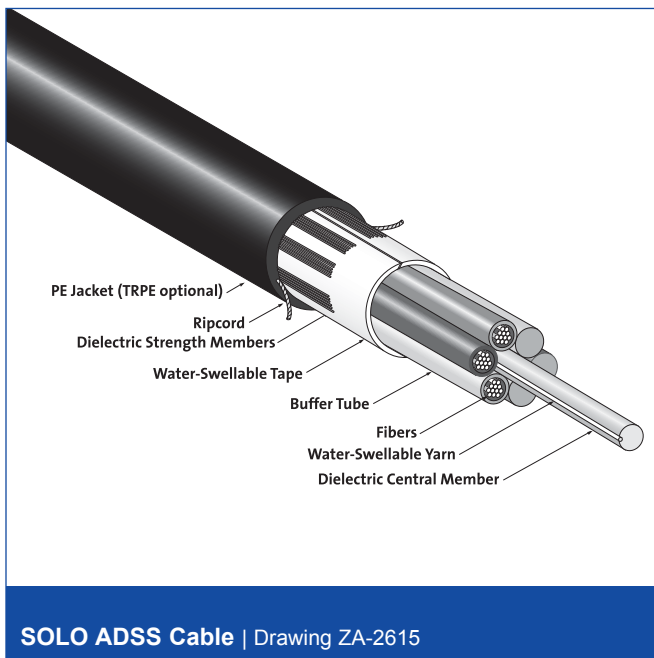
SOLO® ADSS Short-Span Cables, 2-144 Fibers

features and benefits |

| | |
|--|--|
| Loose tube design | Stable performance and compatibility with all common fiber types |
| Self-supporting | Easy, one-step installation |
| Track-resistant jacket available | Suitable for installations up to 25 kV electric field potential |
| Innovative waterblocking cable core | Provides efficient and craft-friendly cable preparation |

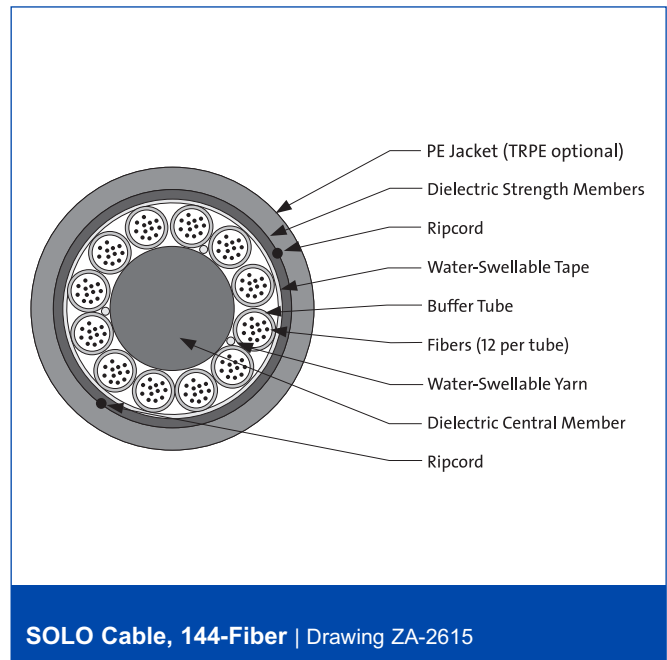
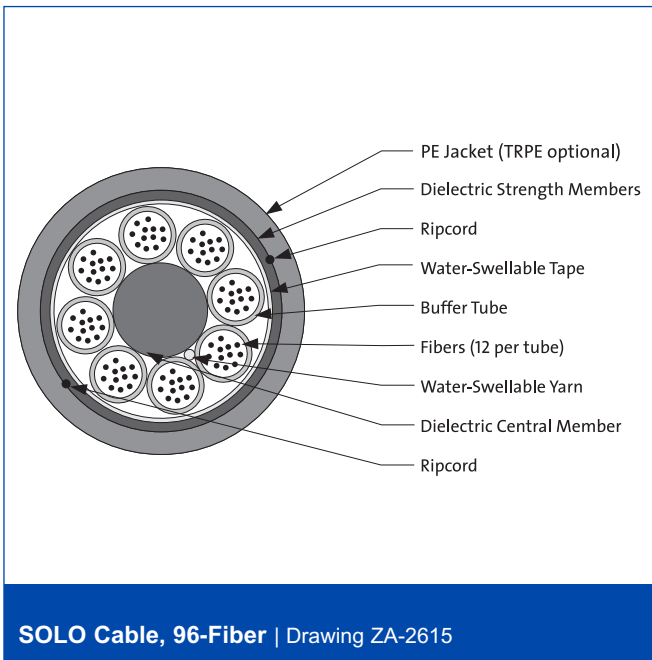
Corning Cable Systems SOLO® ADSS Short-Span Cables are all-dielectric, self-supporting (ADSS) cables designed for easy and economical one-step installation in campus backbones with self-supporting installations where metallic messengers cannot be used. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber. The economical single-jacket design can span distances of 600 ft in NESC light conditions, 500 ft in NESC medium conditions and 300 ft in NESC heavy conditions. This cable incorporates innovative waterblocking materials, eliminating the need for traditional flooding compound and providing efficient and craft-friendly cable preparation. While the concentric, self-supporting cable design allows easy, one-step installation, using standard hardware and installation methods, the SZ-stranded, loose tube design

(continued)



SOLO® ADSS Short-Span Cables, 2-144 Fibers

isolates optical fibers from installation and environmental rigors and facilitates midspan access. The ADSS short-span cables are also available with a proprietary track-resistant polyethylene (TRPE) jacket suitable for installation in electric field potentials up to 25 kV.



SOLO® ADSS Short-Span Cables, 2-144 Fibers

specifications |

| | | |
|---------------------|---------------|--------------------------------|
| Temperatures | Storage: | -40° to +70°C (-40° to +158°F) |
| | Installation: | -30° to +70°C (-22° to +158°F) |
| | Operation: | -40° to +70°C (-40° to +158°F) |

| | |
|-------------------------------|------------------------------------|
| Approvals and Listings | RDUP 7 CFR 1755.900 (formerly RUS) |
|-------------------------------|------------------------------------|

| | |
|-----------------------------|--------------------------------|
| Common Installations | Outdoor self-supporting aerial |
|-----------------------------|--------------------------------|

| | |
|---------------------------------|--------------------|
| Design and Test Criteria | ANSI/ICEA S-87-640 |
|---------------------------------|--------------------|

| | |
|--|--|
| Preformed Line Products® (PLP) Dead-End Product | FIBERLIGN® dead-end for ADSS medium tension dead-end |
|--|--|

Coming Cable Systems recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

| Fiber Count | Number of Tube Positions | Nominal Cable Weight kg/km (lb/1000 ft) | Nominal Outside Diameter mm (in) | Minimum Bend Radius | | PLP Dead-End Hardware Part Number |
|-------------|--------------------------|---|-------------------------------------|---------------------|----------------------|-----------------------------------|
| | | | | Loaded cm (in) | Installed cm (in) | |
| 2-72 | 6 | 113 (76) | 12.1 (0.48) | 18.2 (7.1) | 12.1 (4.8) | 2872100 |
| 73-96 | 8 | 145 (97) | 13.7 (0.54) | 20.6 (8.1) | 13.7 (5.4) | 2872101 |
| 97-144 | 12 | 240 (161) | 17.5 (0.69) | 26.3 (10.3) | 17.5 (6.9) | 2872105 |

Order From:



Toll Free: 800-423-2594
www.multicominc.com
multicom@multicominc.com

SOLO[®] ADSS Short-Span Cables, 2-144 Fibers

A LANscape[®]
Solutions Product

specifications |

| Sag and Tension Information | | | | | | | | | |
|-----------------------------|-------------|------------|-----------------|-------------|-----------------|-------------|-----------------|------------|-----------------|
| Fiber Count | Span m (ft) | Sag % | Tension N (lbf) | NESC Light | | NESC Medium | | NESC Heavy | |
| | | | | Sag % | Tension N (lbf) | Sag % | Tension N (lbf) | Sag % | Tension N (lbf) |
| 2-72 | 15 (50) | 1.0 | 223 (50) | 1.0 | 574 (129) | 1.9 | 760 (171) | 2.5 | 1161 (261) |
| | 30 (100) | 1.0 | 445 (100) | 1.2 | 1002 (225) | 2.3 | 1296 (291) | 3.0 | 1931 (434) |
| | 46 (150) | 1.0 | 668 (150) | 1.3 | 1383 (311) | 2.5 | 1763 (396) | 3.3 | 2596 (584) |
| | 61 (200) | 1.0 | 890 (200) | 1.4 | 1736 (390) | 2.7 | 2194 (493) | 3.6 | 3203 (720) |
| | 76 (250) | 1.0 | 1113 (250) | 1.4 | 2072 (466) | 2.8 | 2600 (585) | 3.9 | 3770 (848) |
| | 91 (300) | 1.0 | 1335 (300) | 1.5 | 2395 (538) | 3.0 | 2989 (672) | 4.1 | 4309 (969) |
| | 107 (350) | 1.0 | 1558 (350) | 1.5 | 2708 (609) | 3.1 | 3363 (756) | – | – – |
| | 122 (400) | 1.0 | 1780 (400) | 1.6 | 3014 (677) | 3.2 | 3725 (837) | – | – – |
| | 137 (450) | 1.0 | 2003 (450) | 1.6 | 3312 (745) | 3.3 | 4078 (917) | – | – – |
| | 152 (500) | 1.0 | 2225 (500) | 1.6 | 3605 (810) | 3.3 | 4424 (994) | – | – – |
| | 168 (550) | 1.0 | 2448 (550) | 1.7 | 3894 (875) | – | – – | – | – – |
| 183 (600) | 1.0 | 2670 (600) | 1.7 | 4178 (939) | – | – – | – | – – | |
| 73-96 | 15 (50) | 1.0 | 284 (64) | 1.0 | 642 (144) | 1.9 | 816 (184) | 2.5 | 1233 (275) |
| | 30 (100) | 1.0 | 568 (128) | 1.1 | 1126 (253) | 2.2 | 1399 (314) | 3.0 | 2043 (459) |
| | 46 (150) | 1.0 | 853 (192) | 1.2 | 1560 (351) | 2.5 | 1913 (430) | 3.3 | 2754 (619) |
| | 61 (150) | 1.0 | 1137 (256) | 1.3 | 1966 (442) | 2.6 | 2390 (537) | 3.6 | 3406 (766) |
| | 76 (250) | 1.0 | 1421 (319) | 1.4 | 2354 (529) | 2.8 | 2841 (639) | 3.8 | 4018 (903) |
| | 91 (300) | 1.0 | 1705 (383) | 1.4 | 2729 (614) | 2.9 | 3274 (736) | 4.0 | 4600 (1034) |
| | 107 (350) | 1.0 | 1990 (447) | 1.5 | 3094 (696) | 3.0 | 3694 (830) | – | – – |
| | 122 (400) | 1.0 | 2274 (511) | 1.5 | 3451 (776) | 3.1 | 4101 (922) | – | – – |
| | 137 (450) | 1.0 | 2558 (575) | 1.5 | 3802 (855) | 3.2 | 4500 (1012) | – | – – |
| | 152 (500) | 1.0 | 2842 (639) | 1.6 | 4147 (932) | 3.2 | 4891 (1099) | – | – – |
| | 168 (550) | 1.0 | 3127 (703) | 1.6 | 4488 (1009) | – | – – | – | – – |
| 183 (600) | 1.0 | 3411 (767) | 1.6 | 4825 (1085) | – | – – | – | – – | |

Note: Longer spans available upon request.

Order From:  **MULTICOM**

Toll Free: 800-423-2594
www.multicominc.com
multicom@multicominc.com

SOLO® ADSS Short-Span Cables, 2-144 Fibers

A LANscape®
Solutions Product

specifications | (continued)

| Sag and Tension Information | | | | | | | | | |
|-----------------------------|-------------|-------|-----------------|------------|-----------------|-------------|-----------------|------------|-----------------|
| Fiber Count | Span m (ft) | Sag % | Tension N (lbf) | NESC Light | | NESC Medium | | NESC Heavy | |
| | | | | Sag % | Tension N (lbf) | Sag % | Tension N (lbf) | Sag % | Tension N (lbf) |
| 97-144 | 15 (50) | 1.0 | 462 (104) | 0.9 | 919 (207) | 1.7 | 1102 (248) | 2.2 | 1589 (357) |
| | 30 (100) | 1.0 | 924 (208) | 1.0 | 1615 (363) | 2.0 | 1896 (426) | 2.6 | 2660 (598) |
| | 46 (150) | 1.0 | 1386 (311) | 1.1 | 2247 (505) | 2.1 | 2606 (586) | 2.9 | 3597 (809) |
| | 61 (200) | 1.0 | 1847 (415) | 1.1 | 2843 (639) | 2.3 | 3270 (735) | 3.1 | 4460 (1003) |
| | 76 (250) | 1.0 | 2309 (519) | 1.2 | 3417 (768) | 2.4 | 3903 (877) | 3.3 | 5274 (1186) |
| | 91 (300) | 1.0 | 2771 (623) | 1.2 | 3974 (893) | 2.5 | 4515 (1015) | 3.5 | 6052 (1361) |
| | 107 (350) | 1.0 | 3233 (727) | 1.2 | 4520 (1016) | 2.6 | 5110 (1149) | – | – – |
| | 122 (400) | 1.0 | 3695 (831) | 1.3 | 5056 (1137) | 2.6 | 5691 (1279) | – | – – |
| | 137 (450) | 1.0 | 4157 (934) | 1.3 | 5584 (1255) | 2.7 | 6263 (1408) | – | – – |
| | 152 (500) | 1.0 | 4619 (1038) | 1.3 | 6106 (1373) | 2.7 | 6825 (1534) | – | – – |
| | 168 (550) | 1.0 | 5081 (1142) | 1.3 | 6623 (1489) | – | – – | – | – – |
| | 183 (600) | 1.0 | 5542 (1246) | 1.3 | 7136 (1604) | – | – – | – | – – |

Note: Longer spans available upon request.

Order From:



Toll Free: 800-423-2594
www.multicominc.com
multicom@multicominc.com

SOLO® ADSS Short-Span Cables, 2-144 Fibers

A LANscape®
Solutions Product

transmission performance |

| | LANscape® 62.5 Solutions | LANscape Pretium® 150 Solutions | LANscape Pretium 300 Solutions | LANscape Pretium 550 Solutions | LANscape Pretium 600 Solutions | Single-Mode |
|---|--------------------------------|---------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------|
| Fiber Code | K | T | T | T | T | E |
| Performance Option Code | 30 | 31 | 80 | 90 | 91 | 01 |
| Optical Fiber Type (µm) | 62.5 Multimode | 50 Multimode | 50 Multimode | 50 Multimode | 50 Multimode | Single-mode**** |
| ISO/IEC 11801 Nomenclature | OM1 | OM2 | OM3*** | OM4*** | OM4*** | OS2 |
| Wavelength (nm) | 850/1300 | 850/1300 | 850/1300 | 850/1300 | 850/1300 | 1310/1383/1550 |
| Maximum Attenuation (dB/km) | 3.4/1.0 | 3.0/1.0 | 3.0/1.0 | 3.0/1.0 | 3.0/1.0 | 0.4/0.4/0.3 |
| Minimum Over Filled Launch (OFL) Bandwidth (MHz•km) | 200/500 | 700/500 | 1500/500 | 3500/500 | 3500/500 | - / - / - |
| Minimum Effective Modal Bandwidth (EMB) (MHz•km) | 220/ - | 950/ - | 2000/ - | 4700/ - | 5350/ - | - / - / - |
| Serial 1 Gigabit Ethernet Distance (m) | 300/550 | 750/600 | 1000/600 | 1100/600 | 1100/600 | 5000 / - / - |
| Serial 10 Gigabit Ethernet Distance (m) | 33/ - | 150/ - | 300/ - | 550*/ - | 600**/ - | 10000/ - /40000 |

* Assumes 1.0 dB maximum total connector/splice loss.

** Assumes 0.7 dB maximum total connector/splice loss.

*** Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™ System solutions.

**** ITU 652.D compliant.

Notes:

- 1) Improved attenuation and bandwidth options available.
- 2) Bend-insensitive single-mode fibers available on request.
- 3) Contact a Corning Cable Systems Customer Service Representative for additional information.
- 4) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.

Order From: 

Toll Free: 800-423-2594
www.multicominc.com
multicom@multicominc.com

SOLO® ADSS Short-Span Cables, 2-144 Fibers

A LANscape®
Solutions Product

ordering information | Contact Customer Service at 800-743-2671 for other options.

| | | | | | | | | | | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|----------|--------------------------|----------|----------|--------------------------|----------|--------------------------|--------------------------|----------|----------|----------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | N | <input type="checkbox"/> | - | T | <input type="checkbox"/> | S | <input type="checkbox"/> | <input type="checkbox"/> | A | 2 | 0 |
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

|1-3

Select fiber count
(002 to 144).

|4

Select fiber code
(see Transmission
Performance table).

|5 / 12

Defines cable type.
N / A = SOLO®
Single-Jacket Cable

See Note 1.

|6

Select jacket.
4 = PE jacket (standard)
A = TRPE jacket

|7

Defines fiber placement.
T = 12 fiber/buffer tube
(standard)

|8

Select length markings.
3 = Markings in meters
4 = Markings in feet
(standard)

|9

Defines tensile strength.
S = SOLO Short-Span Cable

|10-11

Select performance
option code (see
Transmission
Performance table).

|13-14

Defines special
requirements.
20 = No special
requirements

Notes:

1) N/A defines SOLO Single-Jacket Cable and is not a reference to "Not Applicable."

2) Use with buffer tube fan-out kit for direct termination applications.

3) Please contact Corning Cable Systems Engineering Services at 800-743-2671 for installation advice or information regarding mounting hardware. Common ADSS mounting and support hardware is available through Corning Cable Systems.

Order From:



Toll Free: 800-423-2594
www.multicominc.com
multicom@multicominc.com

SOLO[®] ADSS Short-Span Cables, 2-144 Fibers

notes |

CORNING

A LANscape[®]
Solutions Product



Toll Free: 800-423-2594
www.multicominc.com
multicom@multicominc.com