

SOLO® ADSS Medium-Span, Loose Tube, Gel-Filled Cable

36 fibres, single-mode (OS2)

CORNING

Corning SOLO® ADSS medium-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 fibre. The economical single-jacket design can span distances of 800 ft in NESC light conditions, 650 ft in NESC medium conditions and 450 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 isolates optical fibres from installation and environmental rigors and facilitates mid-span access. The ADSS optical cables are also available with a proprietary track-resistant polyethylene (TRPE) jacket suitable for installation in electric field potentials up to 25 kV.

Features and Benefits

Loose tube design

Stable performance and compatibility with all common fibre 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

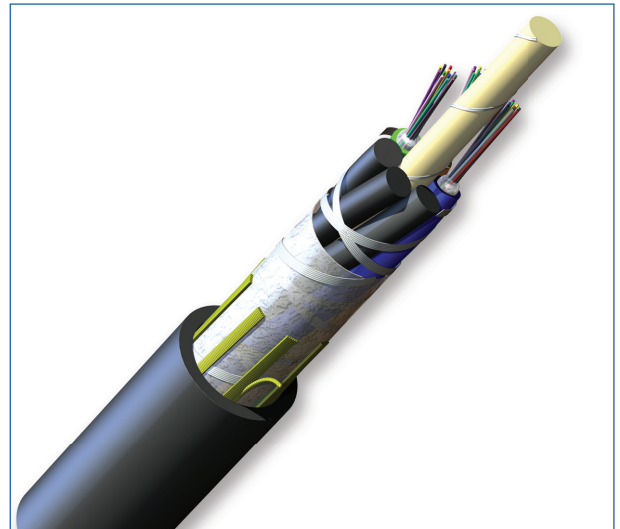
Provides efficient and craft-friendly cable preparation

Standards

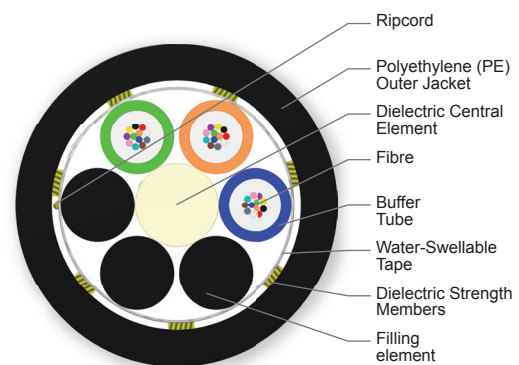
Approvals and Listings	RDUP 7 CFR 1755.900 (formerly RUS)
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Common Installations	Outdoor self-supporting aerial
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Design And Test Criteria	ANSI/ICEA S-87-640
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Part Number: 036EN4-T4M01A20



Cross Section of Order Number: 036EN4-T4M01A20

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Specifications

General Specifications	
Environment	Outdoor
Application	Self-Supporting
Cable type	Loose Tube
Product type	Self-Supporting
Fibre Category	single-mode (OS2)

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation and assembly	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

Cable design	
Central Element	Dielectric
Fibre Count	36
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
Number of Tube Positions	6
Number of Active Tubes	3
Buffer tube colour coding	Blue, orange, green
Buffer tube diameter	2.5 mm (0.1 in)
Number of filling elements	3
Tape	Water-swellaable
Tensile Strength Elements and/or Armouring - Layer 1	Dielectric strength members
Number of ripcords	2
Outer jacket material	Polyethylene (PE)
Outer jacket colour	black

Mechanical Characteristics Cable	
Weight	97 kg/km (65 lb/1000 ft)
Nominal Outer Diameter	11.3 mm (0.45 in)
Min. Bend Radius Installation	170 mm (6.7 in)
Min. Bend Radius Operation	113 mm (4.5 in)

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Installation Conditions

Span m (ft)	Initial Installation		NESC Light		NESC Medium		NESC Heavy	
	SAG %	Tension N (lbf)	SAG %	Tension N (lbf)	SAG %	Tension N (lbf)	SAG %	Tension N (lbf)
107 (350)	1.0	1283 (288)	0.6	2493 (560)	2.5	3337 (750)	3.7	4754 (1069)
122 (400)	1.0	1466 (330)	0.6	2777 (624)	2.6	3698 (831)	3.8	5248 (1180)
137 (450)	1.0	1649 (371)	0.6	3053 (686)	2.7	4048 (910)	3.9	5726 (1287)
152 (500)	1.0	1833 (412)	0.6	3324 (747)	2.7	4389 (987)	-	
168 (550)	1.0	2016 (453)	0.7	3590 (807)	2.8	4723 (1062)	-	
183 (600)	1.0	2199 (494)	0.7	3851 (866)	2.8	5050 (1135)	-	
198 (650)	1.0	2382 (536)	0.7	4108 (924)	2.9	5371 (1208)	-	
213 (700)	1.0	2566 (577)	0.7	4362 (981)	-		-	
229 (750)	1.0	2749 (618)	0.7	4613 (1037)	-		-	
244 (800)	1.0	2932 (659)	0.7	4861 (1093)	-		-	

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Ordering Information

Part Number	036EN4-T4M01A20
Product Description	SOLO® ADSS Medium-Span, Loose Tube, Gel-Filled Cable, 36 F, Single-mode (OS2)
EAN Code	4056418198194



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