

ALTOS® Loose Tube, Gel-Filled, Double-Jacket Cable

96 fibres, 62.5 µm multimode (OM1)

CORNING

Corning ALTOS® double-jacket dielectric cables are designed for duct and aerial (lashed) installation. The double-jacket construction adds a layer of protection for harsh environments. The loose tube cable design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fibre.

Features and Benefits

Two jacket layers

Provides extra protection in harsh environments

Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

Innovative waterblocking design

Provides efficient and craft-friendly cable preparation

Medium-density polyethylene jacket

Rugged, durable and easy to strip while providing superior protection against UV radiation, fungus, abrasion and other environmental factors

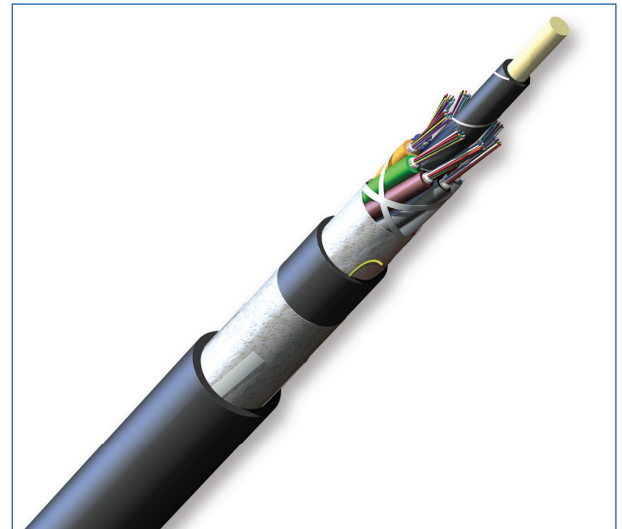
Exceeds the RDUP requirements for mid-span buffer tube slack storage

Provides flexibility for mid-span access applications

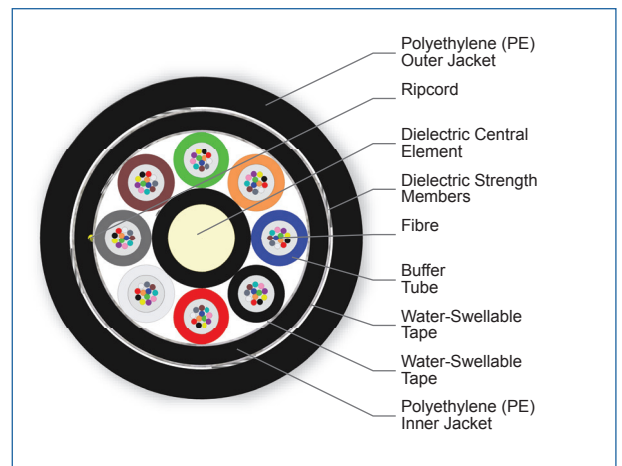
Standards

Approvals and Listings	USDA Rural Development Programs
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Design And Test Criteria	Telcordia GR-20, ICEA-640
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Part Number: 096KUE-T4130A20



Cross Section of Order Number: 096KUE-T4130A20

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Specifications

General Specifications

Environment	Outdoor
Application	Aerial, Duct
Cable type	Loose Tube
Product type	Dielectric
Fibre Category	62.5 µm MM (OM1)

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	96
Fibre colouring	Blue, orange, green, brown, grey, white, red, black, yellow, violet, pink, turquoise
Fibres per tube	12
Number of Tube Positions	8
Number of Active Tubes	8
Buffer tube colour coding	Blue, orange, green, brown, grey, white, red, black
Buffer tube diameter	2.5 mm (0.1 in)
Tape	Water-swellaable
Inner Jacket Material	Polyethylene (PE)
Tape, Layer 2	Water-swellaable
Number of ripcords	1
Tensile Strength Elements and/or Armouring - Layer 1	Dielectric strength members
Outer jacket material	Polyethylene (PE)
Outer jacket colour	black
Maximum Fibres per Tube	12

Mechanical Characteristics Cable

Max. tensile strength, short-term	2700 N (600 lbf)
Max. Tensile Strength, Long-Term	890 N (200 lbf)

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Mechanical Characteristics Cable

Weight	146 kg/km (98 lb/1000 ft)
Nominal Outer Diameter	14.2 mm (0.56 in)
Min. Bend Radius Installation	213 mm (8.4 in)
Min. Bend Radius Operation	142 mm (5.6 in)

Chemical Characteristics

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

Part Number	096KUE-T4130A20
Product Description	ALTOS® Loose Tube, Gel-Filled, Double-Jacket Cable, 96 F, 62.5 µm multimode (OM1)



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