



Direct Buried Cable 28e+® Loose Tube, Gel-Filled, Double-Jacket, Single-Armored Cable 48F , Single-mode (OS2)

نماینده فروش و خدمات پس از فروش شرکت CORNING در ایران

Direct Buried Cable 28e+® Double-jacket, single-armored cables, are lightweight reduced-diameter, armored cables designed for direct-buried duct and aerial (lashed) installation. The loose tube stable performance over a wide temperature range and is compatible with design provides .any telecommunications-grade optical fiber .

Features and Benefits

Flexible, craft-friendly buffer tubes

Facilitate easy routing in closures

SZ-stranded, loose tube design

Isolates fibers from installation and environmental rigors and facilitates mid-span access

Dielectric central strength member

No Preferential bend and requires no bonding or grounding

High-density polyethylene jacket

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

Legend

A: Outer jacket HDPE (High Density Polyethylene)

B: Corrugated Steel Armor

C: Loose Tube

D: Ripcord

E: Inner Jacket LSZH (Low Smoke Zero Halogen)

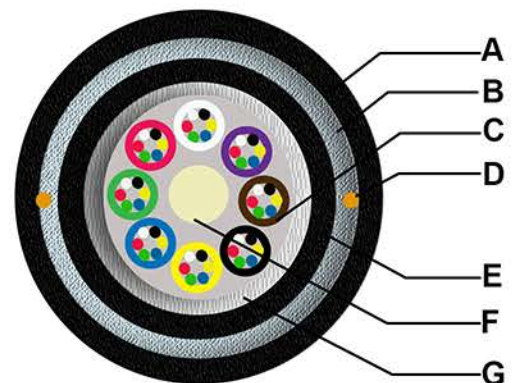
F: Dielectric Central Element

G: Water -Swellable Tape

Standard

Approval and Listing USDA Rural Development Programs

Design and Test Criteria Telcordia GR-20 , ICEA-640



Cross Section of Part Number : 048EUC-T4100A20

**Direct Buried Cable 28e+®Loose Tube,Gel-Filled,
Double-Jacket,Single-Armored Cable
48F , Single-mode (OS2)**

نماینده فروش و خدمات پس از
فروش شرکت CORNING در ایران

General Specification	
Environment	Outdoor
Application	Aerial,Direct Buried,Duct
Cable type	Loose Tube
Product Type	Armored
Fiber Category	Single-mode (OS2)
Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158°F)
Installation	-30°C to 70 °C (-22°F to 158°F)
Operation	-30°C to 70 °C (-22°F to 158°F)
Cable Design	
Central Element	Dielectric
Cable Count	48
Fiber Coloring	White,Red,Green,Blue,Yellow,Black
Fiber per Tube	6
Number of Tube Positions	8
Number of Active Tubes	8
Buffer Tube Color Coding	White,Red,Green,Blue,Yellow,Black,Brown,Purple
Buffer Tube Diameter	2.8-3 mm
Tape	Water-swellable
Number of Ripcords	2
Tensile Strength Elements and/or Armoring -Layer 1	Corrugated steel tape armor
Outer Jacket Material	HDPE Oil and Chemical Resistance
Outer Jacket Color	Black
Inner Jacket	LSZH (Low Smoke Zero Halogen)
Mechanical Characteristics Cable	
Max. Tensile Strength,Short-Term	4000 N (900 lbf)
Max. Tensile Strength,Short-Term	2100 N (470 lbf)
Weight	136 kg/km (91 lb/1000 ft)
Nominal Outer Diameter	18.1 mm (0.70 in)

**Direct Buried Cable 28e+® Loose Tube, Gel-Filled,
Double-Jacket, Single-Armored Cable
48F , Single-mode (OS2)**

نماینده فروش و خدمات پس از
فروش شرکت CORNING در ایران

Mechanical Characteristics

Min . Bend Radius Installation	182 mm (7.1 in)
Min . Bend Radius Operation	121 mm (4.8 in)

Chemical Characteristics

RoHS	Free of hazardous substance according to RoHS 2002/95/EG
------	--

Fiber Specification

Optical Characteristics (cabled)

Fiber Name	SMF-28e+® fiber
Fiber Category	G.652.D
Fiber Code	E
Performance Option Code	00
Wavelengths	1310 nm / 1383 nm /1550nm
Maximum Attenuation	0.35 db/km/ 0.35 db/km / 0.25 db/km
Typical attenuation	0.33 db/km/ 0.33 db/km / 0.19 db/km

Ordering Information

Part Number	048EUC-T4100A20
Product Description	Direct Buried Cable 28e+® Loose Tube, Gel-Filled, Single-Jacket, Single-Armored Cable 48F , Single-mode (OS2)