

## Technical Data Sheet

**Gel-free**  
ezKore Loose Tube Optical Cables

Standard buffer tube with 2-288f

**Single Jacket / All-Dielectric**

### Application

Lightweight outdoor fiber optic cable designed for aerial (lashed) and duct installations.

### Benefits

- Fiber Count up to 288f
- Suitable for aerial and duct applications
- MDPE jacket for low friction installation
- Gel-free buffer tubes & core
- The dry water blocking materials can easily be removed without the use of cable cleaning solvents, yielding significant labor cost savings
- Lightweight with small diameter
- Excellent handling characteristics

### Fiber types

- G.651 multi-mode fiber
- G.652D single-mode fiber
- G.655 NZDS fiber for DWDM applications

### Full range of protections

- Water blocked

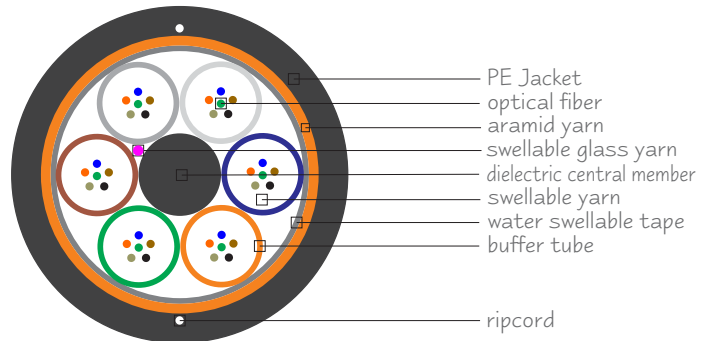
### Full range of applications

- Aerial
- Duct

### Optional protections

- HDPE jacket
- Rodent resistant
- Dual Jacket / all-dielectric
- Single jacket / single armor
- Dual jacket / single armor
- Dual Jacket / dual armor
- Triple jacket / dual armor

### Cable cut-away



### Typical parameters

Number of fibers	Up to 288
Diameter	11.7 mm (0.46 in) to 19.7 mm (0.78 in)
Cable weight	92 kg/km (62 lbs/kft) to 233 kg/km (157 lbs/kft)
Max. bend radius	20 x cable O.D.
Max. working tension	2700 N (600 lbf)
Operating temperature range	-40 °C / 70 °C (-40 °F / 158 °F)

Above figures are nominal values; actual production dimensions and weights may deviate slightly from the indicated figures above



### Qualifications & approvals

REA PE-90  
Bellcore Standards  
ITU Standards  
TIA/EIA Standards

[www.4SProducts.com](http://www.4SProducts.com)

1st ISSUE 2019

4621 Ponce de Leon Boulevard  
Coral Gables, FL 33146, USA  
[1] 305.666.7474  
[1] 305.666.7272 fax  
cable@4SProducts.com e-mail

Cable Properties	Diameter	Weight
002 - 036f	11.7 mm (0.46 in)	092 kg/km (062 lbs/kft)
037 - 048f	11.7 mm (0.46 in)	093 kg/km (062 lbs/kft)
049 - 060f	11.7 mm (0.46 in)	095 kg/km (064 lbs/kft)
061 - 072f	11.7 mm (0.46 in)	095 kg/km (064 lbs/kft)
093 - 096f	13.4 mm (0.53 in)	120 kg/km (081 lbs/kft)
097 - 144f	16.7 mm (0.66 in)	185 kg/km (124 lbs/kft)
145 - 192f	17.2 mm (0.68 in)	178 kg/km (120 lbs/kft)
193 - 216f	17.2 mm (0.68 in)	178 kg/km (120 lbs/kft)
217 - 288f	19.7 mm (0.78 in)	233 kg/km (157 lbs/kft)

Mechanical Performance	Test Procedure	Specification
Low & high temperature cable	EIA/TIA-455-37A FOTP-37	20 x cable O.D. @ -30 °C and 60 °C
Impact resistance	EIA/TIA-455-25A FOTP-25	25 impact cycles
Compressive strength	EIA/TIA-455-41A FOTP-41	220 N/cm (124 lbs/in.)
Cable twist	EIA/TIA-455-85 FOTP-85	2 meter length ± 180°
Cable cyclic flexing	EIA/TIA-455-104 FOTP-104	20 x cable O.D. 25 cycles
Max. bend radius	EIA/TIA-455-37A FOTP-37	Installation Service 20 x cable O.D. 10 x cable O.D.
Max. tensile load	EIA/TIA-455-33 FOTP-33	Installation Service 2700 N (600 lbf) 750 N (168 lbf)
Gopher resistance		index rating <3

Environmental Performance	Test Procedure	Specification
Temperature	EIA/TIA-455-3A FOTP-3	Operation -40 to +70 °C (-40 to +158 °F) Installation -30 to +60 °C (-22 to +140 °F) Storage/Shipping -40 to +75 °C (-40 to +168 °F)
Cable aging	EIA/TIA-455-37 FOTP-37	168 hours @ 85 °C
Cable Freezing	EIA/TIA-455-98 FOTP-98	Frozen in ice
Water penetration	EIA/TIA-455-82B FOTP-82	1 meter for 24 hours
Compound drip temperature	EIA/TIA-455-81B FOTP-81	75 °C
Color coding permanence	Telcordia GR-20	Colors stable after aging



Specifications are subject to change without notice. The data given is subject to normal manufacturing tolerances. 4SProducts Loose Tube Optical Cables are tested in accordance with the requirements of Bellcore GR-20. Performance specifications are measured per EIA Fiber Optic Test Procedures.

