ABOUT US

1993
Establishment
of the company

2003
QMS in accordance with **ISO 9001**
has been implemented

2009
The first **kilometer** of optical cable
was produced

2010
A new workshop for cable production with an area
of **5.5 thousand m²** was built

2011
The production of a product range for **FTTH** network
using **GPON** technology was launched

2015
The LAN cable manufactured by KCEP was
successfully certified in Germany in accordance
with European standards

2016
The **serial production** of an optical microcable for
blowing in accordance with European standards
was launched

2018
In Germany successfully completed test of **optical
cable** in accordance with European standards

2019
KCEP is the **main supplier** of optical cable
for the government project "Digital Kazakhstan"

2022
Export share **50%**

KCEP

FIBER OPTICAL MICRO CABLE
for blowing in microduct

KCEP

kcep.kz

KCEP

TOTAL AREA
100 000 m²

72 000 km
PRODUCTION CAPACITY OF FIBER OPTICAL CABLE

more
200
EMPLOYEES

KCEP
30 YEARS on the market and successfully
supplies products to the CIS and European countries.

Today KCEP is one of the leading manufacturer
of optical and LAN cables.

AIR BLOWN MICRO CABLE max. 12F

Cable type A-D(ZN)2Y / 4Y

Application Optical fiber cable for microduct installation by blowing

① Optical fiber
② Gel filled optical loose tube
③ Aramid yarns
④ Outer sheath

● **Technical data**

Code of cable type	7211	7212	7201	7203
Number of fibers	2-4	6-12	2-4	2-12
Cable outer diameter, mm	2,0±0,1		2,4±0,2	
Fiber type, µm	200/250			
Minimum bending radius	15D			
Installation tensile strength, N	60	45	200	
Operating temperature, °C	-30 +70	-20 +70	-30 +70	
installation temperature, °C	-10 +60			

● **RECOMMENDED MICROTUBES**

Number of cable type	Outer diameter, mm	Max. number of fibers	Microtube, OD/ID
7211	2,0±0,1	4	5/3,5
7212	2,0±0,1	12	5/3,5
7201	2,4±0,2	4	7/4
7203	2,4±0,2	12	7/4
7207	2,4±0,2	24	7/4
7206	2,9±0,2	24	10/6
7204	3,4±0,2	24	10/6
7205	3,6±0,2	24	10/6

AIR BLOWN MICRO CABLE max. 24F

Cable type A-D(ZN)2Y / 4Y

Application Optical fiber cable for microduct installation by blowing

① Optical fiber
② Gel filled optical loose tube
③ Aramid yarns
④ Outer sheath

● **Technical data**

Code of cable type	7207	7206	7204	7205
Number of fibers	2-24			
Cable outer diameter, mm	2,4±0,2	2,9±0,2	3,4±0,2	3,6±0,2
Fiber type, µm	200		200/250	
Minimum bending radius	15D			
Installation tensile strength, N	200	250	200	300
Operating temperature, °C	-20 +70			-30 +70
installation temperature, °C	-10 +60			

● **GENERAL SPECIFICATION**

Outer sheath
UV-resistant PE ■ or PA ■

Fiber type
Single Mode 250 µm fiber according to ITU-T, G.652.D+G.657.A1, G.652.D, G.657.A1, G.657.A2
Single Mode 200 µm fiber according to ITU-T, G.652.D+G.657.A1, G.657.A1

Standards
DIN VDE 0888 / IEC 60304 / IEC 60794 / IEC 60794 5-10

Package type
Plywood coil

Length tolerance
±3,0%

Short lengths
Maximum 5%

Marking accuracy
±0,5%