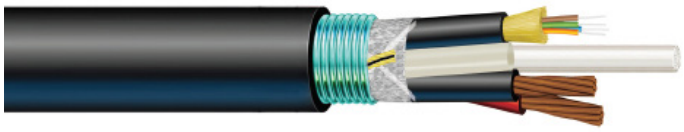
Prysmian Group

PRYSMIAN Draka

ezMOBILITY™ | Fiber-Copper Composite Cable

FTTA Feeder cable (6AWG conductors)



Product Snapshot

Application Deployment in Remote Radio Head (RRH) cell tower applications

Construction Two (2) 6AWG copper conductors, one (1) subunit with four (4) tight buffered optical fibers, and two (2) filler rods stranded around a central strength member. Dry waterblocking technology utilized. A corrugated steel tape armor is formed around the cable core and an UV stabilized outer jacket is extruded over the steel tape armor.

Optical Fibers Fiber Type:
Dispersion-Unshifted Single-mode (bend-insensitive)

Applicable Specifications:
ITU-T G.652.D
ITU-T G.657.A2 & B2

Attenuation
≤ 0.5 dB/Km @ 1310nm
≤ 0.5 dB/Km @ 1383nm
≤ 0.5 dB/Km @ 1550nm

Outside Diameter 22.2 mm (0.87 in) Nominal

Environmental
Storage Temperature: -40°C to +80°C
Installation Temperature: -30°C to +70°C
Operating Temperature: -40°C to +80°C

Part Number HF261A1J-04-BX-004

Note. Cable damage may occur if installation temperature limits are exceeded; therefore, Prysmian Group recommends storing I/O cables in appropriate temperature conditions ≥ 24 hours prior to placement.

RoHS COMPLIANT

Prysmian Group
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500D DS040 EZMOBILITY FIBER COPPER 6AWG 12-14

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Ordering Guide

The Prysmian Group part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described in the example.

Example: ezMobility | outdoor single armor | four bend insensitive (G.657A2) tight buffer optical fibers | Two 8 AWG copper conductor.

1 LENGTH MARKINGS		2 PRODUCT FAMILY		3 CONSTRUCTION		4 FIBER GROUPING		5 FIBER TYPE		6 FIBER COUNT		7 FIBER GRADE
F	–	HF28	–	1A1J	–	04	–	B2	–	004	–	EA

CABLE INFORMATION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

ezMOBILITY

a) Product Family

HF = ezMOBILITY Fiber/Copper Composite Feeder (FTTA)

b) Number of Conductors

2 = Two conductors
3 = Three conductors
4 = Four conductors
5 = Five conductors

c) Copper construction size

6 = 6 AWG
8 = 8 AWG

3 CONSTRUCTION

1A1J = Outside single armor with single PE jacket

4 FIBER GROUPING

Fibers per subunit (one subunit per cable)

04 = four 900 µm tight buffer fibers in a subunit

06 = six 900 µm tight buffer fibers in a subunit (6 AWG only)

08 = eight 900 µm tight buffer fibers in a subunit (6 AWG only)

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & B2 & G.652.D)

6 FIBER COUNT

002 to 008 fibers

7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
EA = 0.5/0.5/0.5	1310/1383/1550	Bend-Insensitive Single-Mode

Other cable constructions and fiber performance grades available on request

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