



Enhanced Performance Fiber Units (EPFU)

Description

Prostal EPFU Cable is a very small diameter cable for air blown installation into micro-duct. The fibers are coated with a soft acrylate layer as a cushion to provide protection to the fiber. An outer jacket with groove-design gives low friction and best blowing performance to the installation.

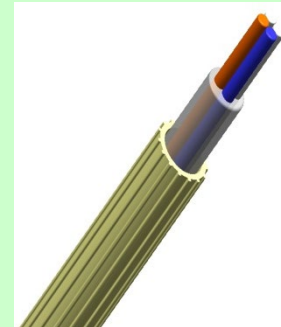
Features

Fiber type: 250um (G.652D /G.657A1/G.657A2/OM1/OM2/OM3/OM4)

Inner Layer: Resin

Outside sheath: Low friction halogen free plastic (HDPE)

Fiber count: 2-24



Structure

2 Fiber

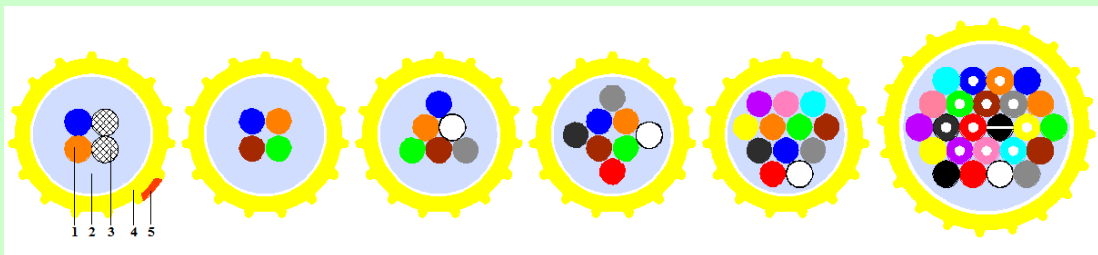
4 Fiber

6 Fiber

8 Fiber

12 Fiber

24 Fiber



1. Optical Fiber

2. Resin

3. Fiber filler

4. Low Friction outer jacket

5. Groove

Technical Index

Cable properties:

Fiber Count	2	4	6	8	12	24
Outer Diameter (mm)	1.15 ± 0.05	1.15 ± 0.05	1.35 ± 0.05	1.55 ± 0.05	1.65 ± 0.05	2.15±0.1
Approx. Weight (g/m)	1.0	1.0	1.3	1.8	2.2	3.8
Jacket Color	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Min Bend Radius (mm)	50	50	60	80	80	120
Max. tensile	0.5 G (G=9.8*Weight)					
Max. crush	100 N/100mm					
Temperature	Storage -30~+60°C; Installation-10~+50°C; Operation-30~+60°C					



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Optical Parameters (Fiber Unit)

Parameters	Single Mode (G.652D /G.657A1/G.657A2/)	Multimode (OM1/OM2/OM3/OM4)
Attenuation	≤0.40/0.30dB/km @1310nm/1550nm	≤3.5/1.5dB/km @850/1300nm

Typical Blowing Test:

Fibre Count	2-12 Fibers	24 Fibers
Test equipment	PLUMETTAZ: UM25 ERICSSON: F FREMCO	
Standard duct	5.0/3.5 mm	7.0/4.0mm
Approx. Pressure	7bar / 15bar	13bar
Typical blowing distance	500m / 1000m	500m
Typical blowing time	15 min / 20 min	15min

Color Code

Fiber Colors 1 (TIA)

NO.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Purple	Pink	Aqua

One black ring mark (200mm pitch)

NO.	13	14	15	16	17	18	19	20	21	22	23	24
Color	Blue	Orange	Green	Brown	Slate	White	Red	Nature	Yellow	Purple	Pink	Aqua

Or Fiber Colors 2 (DIN)

NO.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Red	Green	Blue	Yellow	White	Gray	Brown	Violet	Aqua	Black	Orange	Pink

One black ring mark (200mm pitch)

NO.	13	14	15	16	17	18	19	20	21	22	23	24
Color	Red	Green	Blue	Yellow	White	Gray	Brown	Violet	Aqua	Nature	Orange	Pink

