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EZ-Through Round Cable



EZ-Through Round Cable

Description

FiTek's EZT Round Cable is a versatile and reliable cable that can be used in a variety of applications. Its durable design is made of robust materials such as FRP or steel wire, as well as a sturdy outer jacket. The cable also features colored fibers or tubes in the center that enable efficient signal transmission. Furthermore, it can be reinforced with a Kevlar strength member to provide extra durability. This cable's flexibility and sturdiness make it a great option for applications in FTTH/FITH Telecom and Data Center environments.

Features

- **Small Outer Diameter:** This round cable features an outer diameter of 3.0–3.5mm for 2C~12C fibers, which makes it ideal for use in crowded inner duct cabling.
- **Anti-Bending Performance:** Designed to prevent bending loss increase in corners or small curves in inner ducts, this cable ensures reliable signal transmission.
- **High Cable Strength:** With its multi-FRP embedded inside the jacket, this cable provides higher-strength support compared to normal indoor drop cables.
- **Flame-Retardant Material:** Compliant with international standards and RoHS/REACH regulations, the cable's flame-retardant material enhances safety and reliability.

Applications

- Suitable for Fiber-To-The-Home (FTTH) and Fiber In The Home (FITH) applications that require small OD, anti-bending, high-tensile strength, and great crush resistance.
- Be used in data centers that require lightweight, anti-bending, high-tensile strength and great crush resistance.
- Suitable for use in telecom rooms that require high-density fiber and small cable diameter for cable assembly.

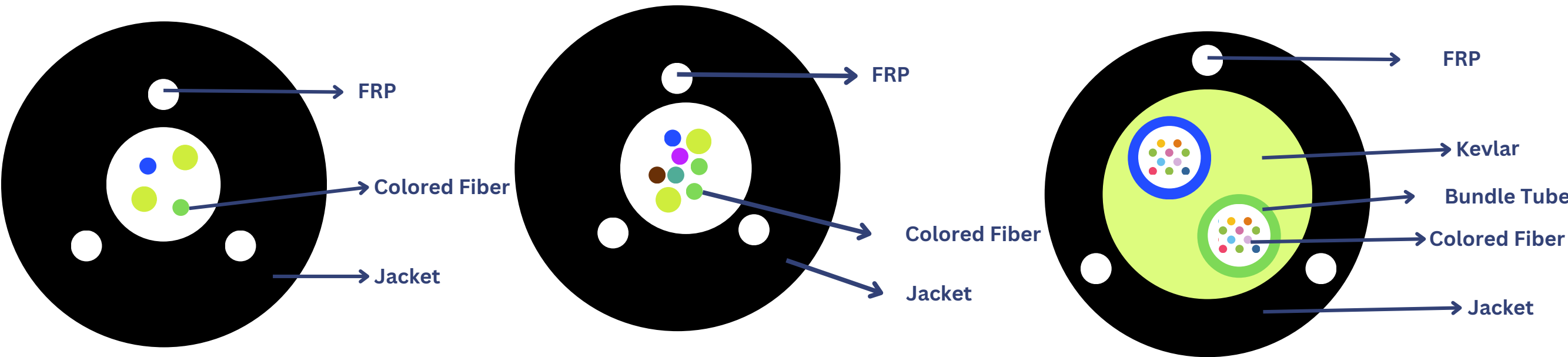


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Specifications

EZT Round Cable			
Type	G657A1	G657A1	G657A1
Fiber Count	1~4 F	6~12 F	24 F
Strength Member	FRP (+ Kevlar)*	FRP (+ Kevlar)*	FRP (+ Kevlar)*
Cable Diameter (mm)	3.0 ± 0.1	3.5 ± 0.2	5.0 ± 0.2
Nominal Weight (kg/km)	8.7	8.9	22.7
Maximum Attenuation (dB/km)	0.4		@1310 nm
	0.3		@1550 nm
Material	Flame Retardant PVC/ LSZH		
Color	Black or Yellow		

*Strength member of Kevlar is optional upon request



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Specifications

Item	1~4 F	6~12 F	24 F	Standard
Maximum Tensile Load-Loaded (N)	400N			IEC 60794-1-2 E1
Maximum Tensile Load-Unloaded (N)	200N			
Min. bend radius installed (mm)	10×O.D.			IEC 60794-1-2 E11
Min. bend radius long term (mm)	5×O.D.			
Maximum Crush Resistance	1~4F: 2000 N/100 mm 6~24F: 1000 N/100 mm			IEC 60794-1-2 E3
Storage Temperature	-20℃ to + 70℃			IEC 60794-1-2 F1
Operating Temperature	-20℃ to + 70℃			

