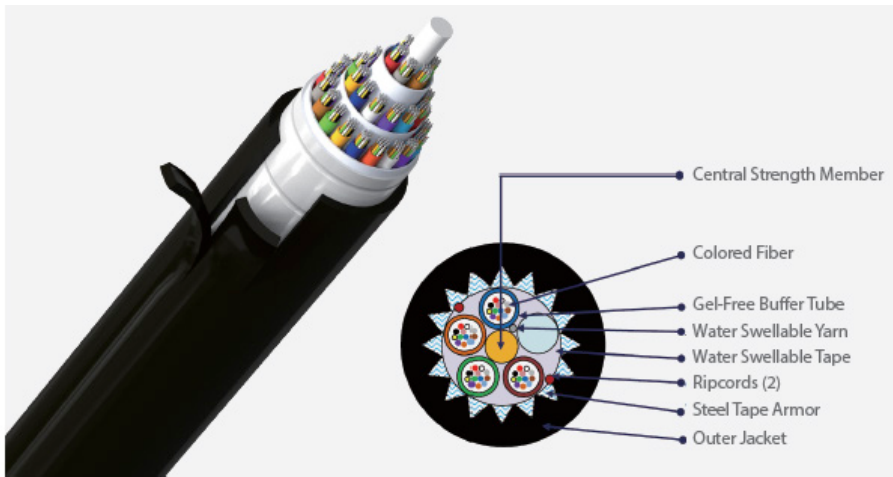


FIS PEELABLE STEEL ARMORED CABLE



FEATURES

- Gel-free water blocking technology
- Polyethylene jacket
- Corrugated steel tape armor
- Installation-friendly cable preparation
- Rugged, durable and easy to strip
- Provides rodent resistance for direct-buried applications

Single-jacket, single-armed cables are designed for campus backbones in direct-buried installations. The loose tube design provides stable and highly reliable transmission parameters for various voice, data, video, and imaging applications. These cables also provide high fiber density within a given cable diameter while allowing flexibility to suit many system configurations.

The single-armed construction provides additional crush and rodent protection with a high-strength ripcord under the armor for easy stripping. Gel-free means the cables are fully water-blocked using installation-friendly, water-swellable materials. This makes cable access simple and requires no cleanup. The flexible, installation friendly buffer tubes are easy to route in closures, and the SZ-stranded, loose tube design isolates fibers from installation and environmental rigors while allowing easy mid-span access. These cables have a medium density polyethylene jacket that is rugged, durable, and easy to strip.

SPECIFICATIONS- MECHANICAL

Fiber Count	12-48	96	144
Max. Tensile Strength, Long-Term	800 N / (181 lb)		
Max. Tensile Strength, Short-Term	2700 N / (611 lb)		
Min. Bend Radius Installation	173 mm / (6.81 in)	201 mm / (7.91 in)	257 mm / (10.12 in)
Min. Bend Radius Operation	115 mm / (4.53 in)	134 mm / (5.28 in)	171 mm / (6.73 in)
Nominal Outer Diameter	11.5 mm / (0.45 in)	13.6 mm / (0.54 in)	17.0 mm / (0.67 in)
Weight	115.0 kg/km / (77.3 lb/1,000 ft)	160.0 kg/km / (107.5 lb/1,000 ft)	289.0 kg/km / (194.2 lb/1,000 ft)
Container Loading Capacity(40ft Container)	98 km / (320,000 ft)	73 km / (240,000 ft)	67 km / (220,000 ft)
Length / Reel	6.096 km (20,000 ft)		

GENERAL SPECIFICATIONS

Environment	Outdoor
Cable Type	Gel-Free Buffered Tube
Product Type	Armored
Fiber Type	Single-Mode (OS2)
Application	Duct, Direct-Buried

STANDARD SPECIFICATIONS

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Standards	IEC60794: Basic requirements for optical fiber and cable elements. ANSI/ICEA S-87-640: Standard for optical fiber outside plant communications cable
Design and Test Criteria	ANSI/ICEA S-87-640

SPECIFICATIONS

Fiber Count	12-48	96	144
Fibers per Tube	12	12	12
Fiber Color	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Pink, Aqua		
Buffer Tube Color Coding	Natural		
Outer Jacket Color	Black		
Outer Jacket Material	Polyethylene (PE)		

FIBER COLORING

1 Blue	2 Orange	3 Green	4 Brown	5 Slate	6 White	7 Red	8 Black	9 Yellow	10 Violet	11 Pink	12 Aqua
13 Blue	14 Orange	15 Green	16 Brown	17 Slate	18 White	19 Red	20 Natural	21 Yellow	22 Violet	23 Pink	24 Aqua

ENVIRONMENTAL CONDITIONS

Temperature Range, Installation	- 30 °C to +70 °C (-22 °F to 158 °F)
Temperature Range, Storage	- 40 °C to +70 °C (-40 °F to 158 °F)
Temperature Range, Operation	- 40 °C to +70 °C (-40 °F to 158 °F)

ENVIRONMENTAL CONDITIONS

Fiber Category	G.652.D / G.657.A1
Attenuation After Cable	0.40 dB/km / 0.40 dB/km / 0.25 dB/km
Wavelengths	1310 nm / 1383 nm / 1550 nm