

OptiTuff™ Mini Fiber Cables

PRODUCT BULLETIN 

Belden's OptiTuff Mini Fiber Cable is the only cable that combines the durability of metal armored solutions with the performance and installation ease of non-armored solutions. This cable doesn't just stand above other cables in its category—it stands alone. It provides a cost-effective, ruggedized option to replace traditional metal armored and non-armored fiber products in FTTx, POL/PON and raised-floor applications—with no grounding or conduit required. Fewer layers and the elimination of metal armor creates a lightweight cable with a high level of flexibility, plus a small diameter and small bend radius for easy cable preparation, installation and pulling.

Key Features

- 90% lighter than metal armored cable
- 70% smaller OD vs metal armored cable and 50% smaller OD vs non-armored cable
- Small bend radius for high-density raceway or tray installation (3 times smaller than non-armored; 9 times smaller than metal armor)
- Rugged enough to be stapled to walls
- High crush resistance for excellent reliability

Ordering Information

OptiTuff Mini Fiber Cables Configuration		
Fiber Count	Belden Part Number	
	OM4 Erika Violet	OS2 Yellow
6	FI4X006W0	FISX006W0
12	FI4X012W0	FISX012W0
24	FI4X024W0	FISX024W0

Benefits at a Glance

- Smaller diameter supports space savings in high-density installations
- Lighter weight and anti-kink properties make pulling fast and easy
- High crush resistance and durability eliminate the need for conduit
- Increased flexibility as compared to metal armored cables
- Cost-effective alternative to traditional metal armored fiber
- No grounding kit necessary, resulting in material and labor cost savings

Key Applications

Data Center

- IDF
- Raised Floor
- White Space
- Workstation

Enterprise LAN

- FTTx
- POL/PON

Building a SmartPart Number

Please select from options below to build your SmartPart number.

		FI	S	X	006	W	O			
FX Fiber Cable	Fiber Type	Family			Fiber Count	Fire Rating & Protection Plenum Group	Subunit Type/ Configuration			
Indoor Cable	OS2 (G.657.A1)	S	Mini Fiber Cable	X	2 Fibers	002	OptiTuff Plenum (OFNP)	W	250 µm Fiber Non Unitized	O
					6 Fibers	006				
	OM4	4				12 Fibers	012			
						24 Fibers	024			

Example:
FISX006W0 - FX Indoor, OS2, OptiTuff Mini, 6 Fibers, OFNP, 250 µm, Yellow Jacket