

Combat Series™ Military Tactical Distribution Cable TFOCA & TFOCA-II®

**Whatever
the demand,
NextGen®
delivers.**



Reliability For Your Toughest Applications

NextGen® Brand's Combat Series™ tactical fiber optic cables are designed, engineered and manufactured to specification for military applications.

Advanced Performance

Combat Series tactical fiber optic cables are lightweight and rugged to withstand repeated flexing. The compact design allows for ease of deployment and re-configuration. The UV- and flame-resistant polyurethane jackets withstand even the harshest conditions, resulting in mechanical, chemical and weather resistance.

General Cable's NextGen Brand Combat Series contains a patent-pending jacketing compound, HydroGuard™, which is fully water-resistant for ultimate protection.

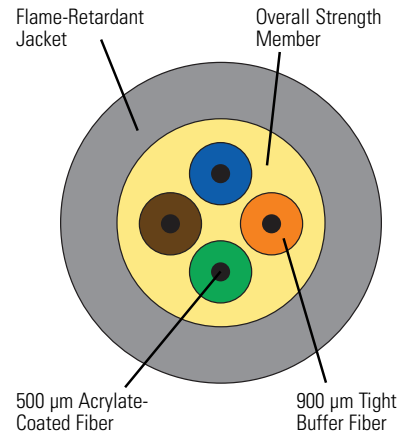
General Cable also offers a broad range of fiber optic cable constructions for every application. NextGen Brand fiber optic cables meet today's performance expectations while setting the standards for tomorrow.



CATALOG NUMBER	FIBER COUNT	NOMINAL CABLE DIAMETER		NOMINAL CABLE WEIGHT		MAXIMUM TENSILE LOAD			
		IN	mm	LBS/1000'	kg/km	INSTALLATION		IN-SERVICE	
XX0021GNC	2	0.228	5.8	20	30	400	1800	130	578
XX0041GNC	4	0.228	5.8	20	30	400	1800	130	578

XX denotes glass type.
A complete listing of NextGen® Brand glass types is specified on page 3 of the Fiber Optics catalog.

Typical Cross-Section



4 Fibers

PRODUCT CONSTRUCTION:

Fiber:

- 2 or 4 fibers
- 900 μm tight buffer, overlaid on a 500 μm acrylate-coated fiber
- Color-coding per TIA/EIA 598B
- Type CK includes QPL-certified glass

Overall Strength Member:

- Aramid yarn

Jacket:

- Black matte flame-retardant polyurethane
- Black UV- and moisture-resistant HydroGuard™
- Sequential footage markings
- Sequential meter markings available upon request

PERFORMANCE:

- Temperature:
Storage -55°C (-67°F) to +85°C (+185°F)
Operating -46°C (-51°F) to +71°C (+140°F)
- Minimum Bend Radius:
16 X OD—Installation
8 X OD—In-Service

COMPLIANCES:

- Tested to CECOM A3159879 Revision D Standard

APPLICATIONS:

- Military tactical field applications in re-deployable communication systems

ORDERING

Part Number Example:

CE0041GNC

62.5 mm multimode, 4 fibers, tactical distribution
Please see pages 4 and 5 of the Fiber Optics catalog for a complete guide on part number selection and ordering information.

FEATURES:

- Patent-pending HydroGuard™ jacket
- Lightweight, rugged
- Withstands repeated flexing
- Compact design for ease of deployment
- Excellent mechanical protection for the fibers
- Designed to military standards