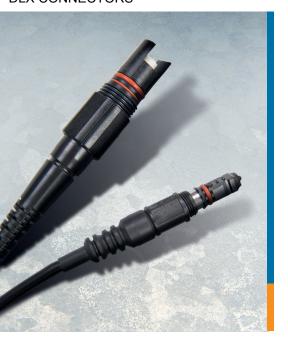
DLX CONNECTORS



HARDENED DROP CABLE AND CONNECTOR SOLUTIONS

TE Connectivity's hardened drop cables and connectors are environmentally robust to provide a reliable interface in the outside plant environment. Using hardened connectors simplifies installation and maintenance by reducing splicing requirements in the distribution portion of the network. The rugged optical connectors are hardened to protect against extreme temperature, moisture, UV, chemical exposure and other harsh conditions typically found in the outside plant.

TE offers two sizes of hardened connectors: miniaturized DLX and full-sized hardened OptiTap®-compatible. These hardened connectors are available with a variety of cable options.

TE's hardened products provide the ultimate "plug-and-play" solution for durable and reliable service connection in distribution and access networks.

BENEFITS OF HARDENED CONNECTORS

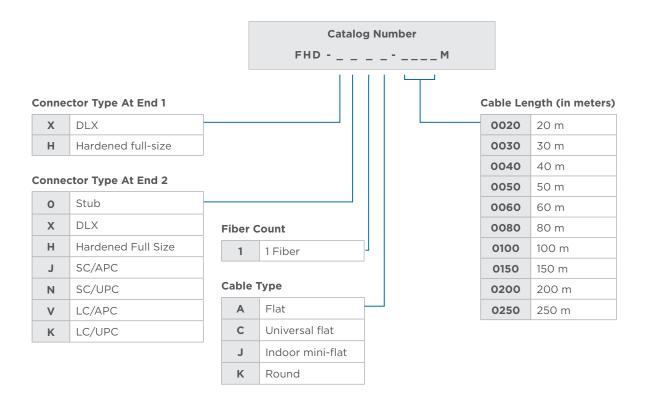
- Robust environmental performance: withstands extremes in temperature and weather conditions
- Designed for use in all environmental categories: Aerial (Category A), ground (Category G) and subterranean (Category S) as defined in IEC 61753-1
- Technician-friendly: Intuitive and easy connection to hardened adapters on terminals or closures
- Decreased installation and maintenance hours by minimizing splicing required in outside plant networks
- Significant cost savings and increased speed of deployment
- Compatibility: Interoperability with industry standard hardened connectors
- Facilitates easy troubleshooting: Maintenance can be done by simply plugging a connector rather than breaking a splice or going directly to the side of a home
- Constructed to IEC 61755 optical interface standards to guarantee optical intermateability

ADDITIONAL BENEFITS OF DLX CONNECTORS

- 30% smaller in size: Connector can be pulled through tighter duct space and requires smaller, less intrusive holes in buildings
- Compatible with SC/APC adapters for testing; designed to Mechanical Interface Standards Type SC, according to IEC 61754-4
- Compatible with full-size hardened connectors (with use of a converter)



ORDERING INFORMATION



ADDITIONAL ORDERING INFORMATION

Converters (quantity: 25)	Catalog Number	
from DLX to full-size hardened	DLX-OPT-CONV-25	
from DLX to SC/APC with snap fit	DLX-SC-CONV-25	
from SC to DLX	SC-DLX-CONV-25	





DLX Connector to SC/APC with Snap Fit





SC Connector to DLX



Cable Clamp

Accessories	Catalog Number

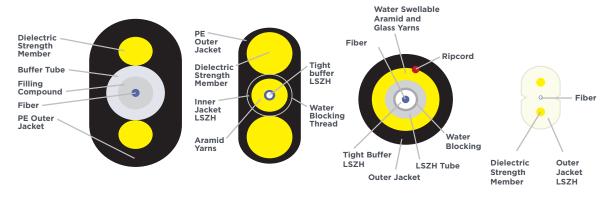
Jacket stripping tool for universal flat cable	FTX-7098 2 003-00	
Cable clamp for flat or universal flat cable	FHD-ACC-CLAMP910	

Hardened Drop Cable and Connector Solutions

CONNECTOR OVERVIEW

Connector type	DLX	Hardened full-size
Min hole size for connector	16mm	22mm
Attenuation (against reference connector)	Standard: max. 0.35 dB	max 0.35 dB
Return loss	min 60 dB	min 60 dB
Sealing	IP68 + 2m waterhead	IP68 + 2m waterhead
Latching in adapter	Push to detent and twist to lock	Twist to lock
Compatibility	Fits in SC/APC adapter	

CABLE OVERVIEW



	A: Flat	C: Universal Flat	K: Round	J: Indoor mini-flat
Installation	In ducts Direct burried Aerial long span**	In ducts Direct burried Aerial long span** Indoor	In ducts Aerial short span** Indoor	Indoor
Outer dimensions	4.5 x 8.1mm	4.4 x 7.4mm (3mm inner)	5mm	2 x 3mm
Max tensile strength of cable	1300N	1300N	1200N	80N
Retention (cable/ connector/adapter)	450N	450N	300N	80N
Operating temperature	-40°C to +70°C	-40°C to +70°C	-25°C to +70°C	-20°C to +60°C
Crush resistence	2200N/dm	4400N/dm	800N/dm	1000N/dm
Dielectric	Metal-free	Metal-free	Metal-free	Metal-free
Fiber type	G652.D	G657. A2	G657. A2	G657. A1
Coated fiber diameter	250μm	900μm tight buffer	900µm semi- tight buffer	250μm
Min bend radius (static)	45mm	40mm	25mm	15mm
Jacket color	Black	Black (White inner)	Black	White
Jacket material	PE	PE (LSZH inner)	LSZH	LSZH
	UV-resistant	UV-resistant	UV-resistant	Low-friction

 $^{^{**}}$ Cable span distances are subject to customer environmental loading and sag specifications

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PRODUCT SHEET

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Tyco Electronics Raychem bvba, a TE connectivity company.

