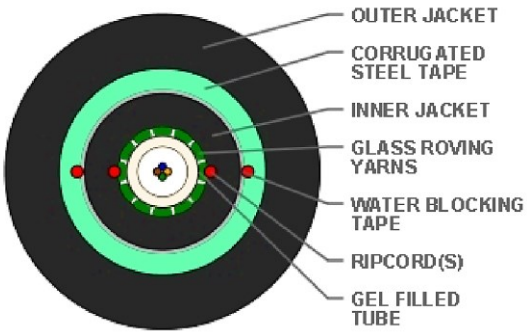
DME PROLINK™ Double Sheath Armored Outdoor Fiber Optic Cable Central Loose Tube (SM-G.652D) UV Proof HDPE Sheath



Description

DME PROLINK™ Double Sheath Armored Outdoor CLT FO cable are typically used for outside plant (OSP) applications. These cables are suitable for direct burial as well as for duct/tray applications. This cable can be installed by trenching techniques. These cables can also be installed in ducts by standard pulling standard methods. This cable can be traced by means of metallic tracer machine in the field. The cable consists of color-coded optical fibers placed in a central tube along with gel to protect from water ingress and is surrounded with strength yarns which provides tensile strength to the core. Thermoplastic sheath over the dielectric armor layer makes the cable user friendly.

The Fiber used in *DME PROLINK*'s Fiber Optic cables, are made of pure silica and germanium doped silica. A UV curable acrylate material is applied over the Fiber Cladding as primary protective coating. DME PROLINK quality personals ensures product reliability through rigorous qualification testing to assure cable performance and durability in adverse field environments. Excellent quality control is achieved through intense in-house quality check and stringent audit acceptance by ISO 9001.

Features & Benefits

- Steel Tape Armor adds to crush resistance as well as can be used for cable locator after installation
- PE Jacket provide Rodent Protection along with improved Crush and Impact Protection
- UV Protected
- Easily removable rugged thermoplastic jacket
- Flexible, Light weight, easy to handle & install
- Excellent Tensile strength and Crush resistant

Standards Compliance:

- IEC 60793-1: Optical Fiber Part 1: Generic Specification
- IEC 60793-2: Optical Fiber Part 2: Product Specification
- IEC 60794
- ANSI/ICEA S-87-640
- Telcordia GR-20
- ITU-T / RoHS / REACH

Construction of Fiber Optic Cable

Fiber count	**4**
Fiber Type	**ITU-T G.652D**
Maximum Cabled Attenuation (dB/km)	1310nm: 0.35 | 1550nm: 0.23
PMD LDV (ps/sqrt.km)	</= 0.1
Fibers per Tube	4
Fibre Color Sequence	Blue, Orange, Green, Brown
Peripheral Strength Member	Glass Roving Yarns
Inner Sheath Material	Black HDPE
No. of Ripcords below Inner Sheath	2
Metallic Armoring	Corrugated Steel Tape
No. of Ripcords below Tape	2
Outer Sheath Material	UV Proof HDPE (Black)
Cable OD	10.5 ± 0.5mm
Cable weight	122 kg/km ± 10%
Cable Length	6KM ± 5%

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Color code scheme for fibers: According to EIA/TIA 598

1	2	3	4
Blue	Orange	Green	Brown

Mechanical & Environmental Characteristics of Fiber Optic Cable

Temperature Performance (IEC 60794-1-22-F1)	Max. change in attenuation shall be </= 0.15 dB/km Installation -10° to +70°C Operation -40° to +70°C Storage -40° to +70°C
Tensile Strength Short Term (IEC 60794-1-2-E1)	1000N
Tensile Strength Long Term (IEC 60794-1-2-E1)	500N
Crush Resistance (IEC 60794-1-2-E3)	2000N/100mm
Impact Resistance (IEC 60794-1-2-E4)	5 Nm
Torsion (IEC 60794-1-21-E7)	±180º
Min. Bend Radius During Installation (IEC 60794-1-21-E11)	20 D
Min. Bend Radius After Installation (IEC 60794-1-21-E11)	15 D
Water Penetration Test (IEC-60794-1-22-F5)	1m waterhead, 3m samples, 24 h
Drip Test (IEC-60794-1-21-E14)	30 cm, 70ºC, 24 h

Note : All tests shall be carried out as per IEC standards. Change in attenuation after and before testing shall be </= 0.05 dB/ km for Single Mode fiber and </= 0.3 dB/km for Multimode fiber.

Part Number

D117-D047PEUPEST2DB	**DME PROLINK ™ Double Sheath Armored (Corrugated Steel Tape) Outdoor Fiber Optic Cable, 4 core, Central Loose Tube, SM-G.652D, Inner Sheath: HDPE and Outer Sheath: UV Proof HDPE, Black**