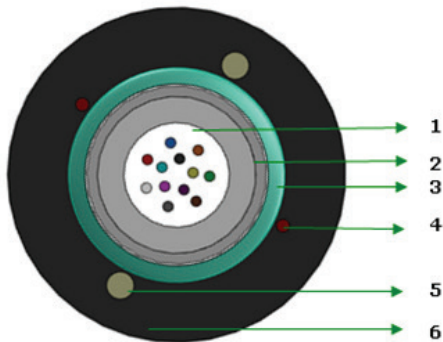


Unitube Armoured Fibre Optic Cable

Product detail

D-Link Unitube Single Jacket Steel Tape Armored Cables is a central tube cable using optical fibres presented in loose tube and surrounded by Steel Tape armor. To protect the optical fibres from water ingress, the tube is filled with a thixotropic gel, and is enclosed in a thermoplastic sheath. The cables have embedded strength members for anti buckling property. The cables can also be offered with steel wire as embedded strength member to provide higher tensile strength.



1. LOOSE TUBE WITH FIBRES & GEL
2. WATER SWELLABLE TAPE
3. STEEL TAPE ARMOR
4. RIPCORD(S)
5. EMBEDDED STRENGTH MEMBER
6. OUTER SHEATH

Product Application

These cables can be used for outdoor applications in ducts or aerial drop for access and distribution for campus/ between and within buildings. These cables can be installed in ducts with either pulling or blowing techniques and in aerial applications with traditional lashing methods.

Features & Benefits

- Available upto 24 fibre count in either Single Mode and Multimode Optical Fibres
- Steel tape adds to crush resistance as well as can be used as a cable locator after installation
- Cables are rodent protected
- Easily removable rugged jacket
- Flexible, light weight, easy to handle & install
- Tensile and crush resistant
- UV protected
- Tightly controlled physical parameters
- 24F Available with Stripe marked 24 tight buffers or with 2 Bundle binder design.



Rodent Protection



Water Blocked



UV Protected

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Performance Standards

Cable complies to the following main Standards IEC.60794 series, ANSI/ICEA S-87-640, Telcordia GR-20, ITU-T Recommendations, RoHS

Specifications

Physical Characteristics				
Fibre Count	4	6	12	24
Nominal Diameter (mm) ± 0.3mm	9.0	9.0	9.0	10.0
Nominal Weight (kg/km) ± 10%	100.0	100.0	100.0	105.0

Mechanical and Environmental Characteristics				
Test	Standard / Notes	Product Performance		
Max. Tensile Strength (N)	IEC-60794-1-21-E1	3000		
Bending Radius	IEC-60794-1-21-E11	Dynamic = 10D, Static = 20D (D = Cable diameter)		
Crush Resistance (N/100mm)	IEC-60794-1-21-E3)	4000		
Torsion	IEC-60794-1-21-E7	± 180°, 25 N		
Temperature Cycling	IEC-60794-1-22-F1	Installation: -10°C to +60°C	Operation: -30°C to +70°C	Storage: -30°C to +70°C

** After the test, the change in attenuation shall be ≤ 0.05 dB/km. No damage or crack on cable & no fibre break.

Cabled Optical Fibres Characteristics

The optical fibres are in accordance to the specifications ITU-T G.652D, ITU T 651 OM1, OM2, OM3& OM4.

Transmission Characteristics				
Fibre Type	850nm	1300nm	1310nm	1550nm
G652D OS2	-	-	≤ 0.36	≤ 0.22
OM1	≤ 3.0	≤ 1.0	-	-
OM2	≤ 3.0	≤ 1.0	-	-
OM3	≤ 3.0	≤ 1.0	-	-
OM4	≤ 3.0	≤ 1.0	-	-

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Packing and lengths

Packing: Wooden Drums

Lengths (tolerance $\pm 5\%$): 2000 Mtrs

Note - Customised drum lengths available on request.

Ordering Information

Product No.	Description
NCB-FS090-AUHD-04	04 Core Single Mode Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FS090-AUHD-06	06 Core Single Mode Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FS090-AUHD-12	12 Core Single Mode Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FS090-AUHD-24	24 Core Single Mode Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FM500-AUHD-04	04 Core Multimode (50/125um) OM2 Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FM500-AUHD-06	06 Core Multimode (50/125um) OM2 Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FM500-AUHD-12	12 Core Multimode (50/125um) OM2 Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FM500-AUHD-24	24 Core Multimode (50/125um) OM2 Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FM510-AUHD-04	04 Core Multimode (50/125um) OM3 Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FM510-AUHD-06	06 Core Multimode (50/125um) OM3 Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FM510-AUHD-12	12 Core Multimode (50/125um) OM3 Unitube Armoured Outdoor Fiber Cable - HDPE Sheath
NCB-FM510-AUHD-24	24 Core Multimode (50/125um) OM3 Unitube Armoured Outdoor Fiber Cable - HDPE Sheath