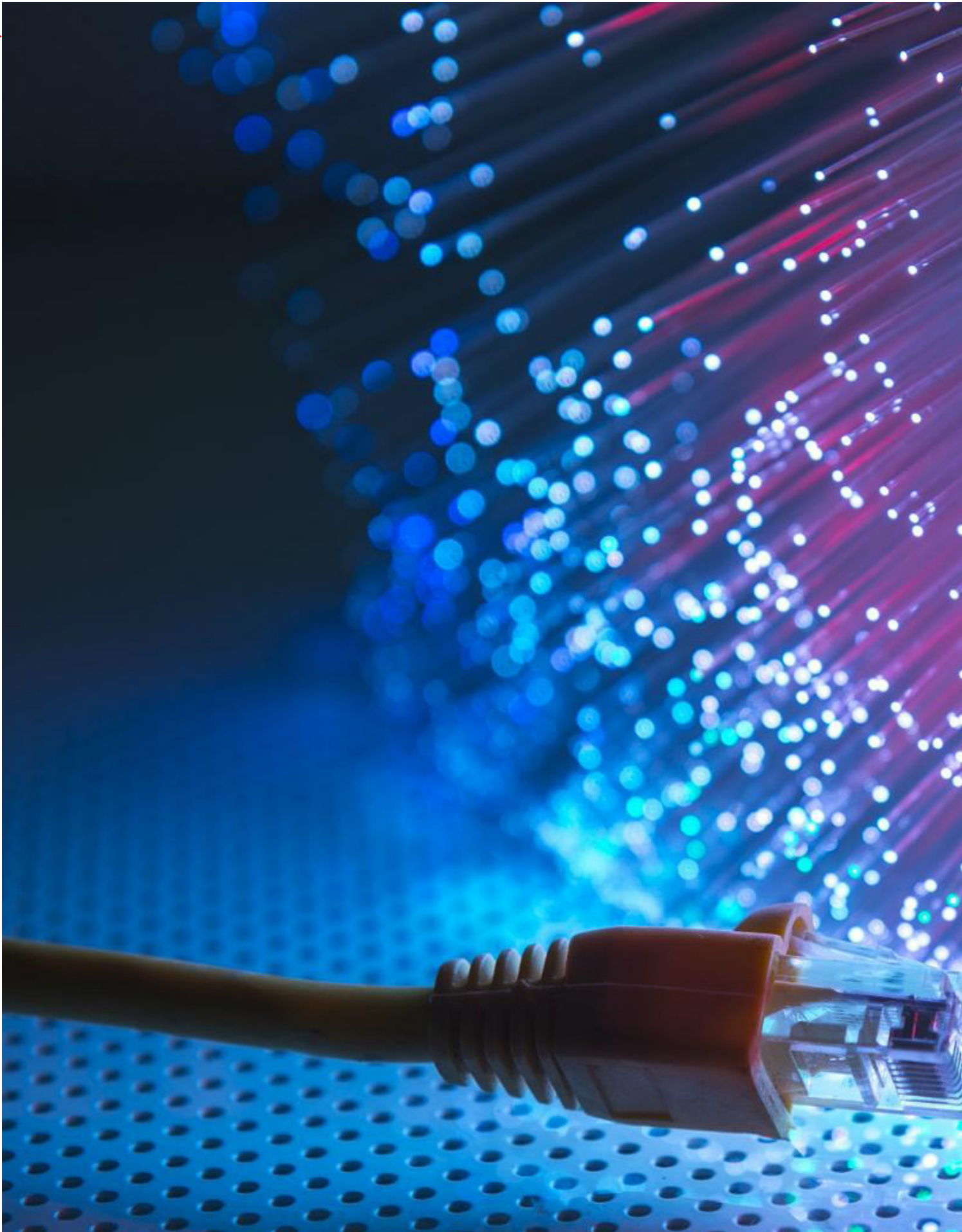


DEMKA
single source for all electrical needs

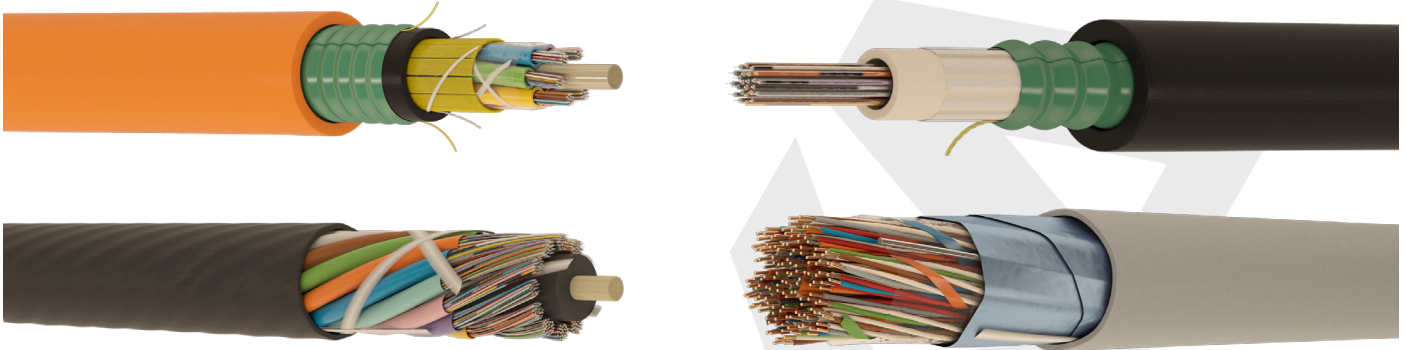


Fiber Optic CABLES

Content of Fiber Optic Cables

- **Single Loose Tube Fiber Optic Cables**
 - Single Loose Tube, Non-metallic Armour Fiber Optic Cable
 - Single Loose Tube, Non-metallic Armour Aerial Fiber Optic Cable
 - Single Loose Tube, Non-Metallic Armour Fiber Optic Cable with Stranded Copper
 - Single Loose Tube, Metallic corrugated Steel Tape Armour Fiber Optic Cable
 - Single Loose Tube Corrugated Steel Tape Armour Aerial Fiber Optic Cable
 - Single Loose Tube Corrugated Steel Tape Armour Horizontally Laid Steel Wire in the Outer Jacket Fiber Optic Cable
 - Single Loose Tube Corrugated Steel Tape Armour Fire Resistant Fiber Optic Cable
- **Multi Loose Tube Fiber Optic Cables**
 - Multi Loose Tube, Non-metallic Armour Fiber Optic Cable
 - Multi Loose Tube, Non-Metallic Armour with Stranded Copper
 - Multi Loose Tube, Non-metallic Armour Aerial Fiber Optic Cable
 - Multi Loose Tube, Non-metallic Armour, Light All-Dielectric Self-Supporting Fiber Optic Cable
 - Multi Loose Tube, Non-metallic Armour, Stranded Copper Composite Cable
 - Multi Loose Tube, Corrugated Steel Tape Armour Fiber Optic Cable
 - Multi Loose Tube, Corrugated Steel Tape Armour, Aerial Fiber Optic Cable
 - Multi Loose Tube, Double Galvanized Steel Tape Armour Fiber Optic Cable
 - Multi Loose Tube, Double Galvanized Steel Tape Armour Fire Resistant Fiber Optic Cable
 - Multi Loose Tube, Corrugated Steel Tape Armour, Fire Resistant Fiber Optic Cable
- **Other Fiber Optic Cables**
 - Mini, Single Loose Tube, Non-metallic Armour Fiber Optic Cable
 - Microduct, Single Loose Tube, Non-metallic Armour Fiber Optic Cable
 - Microduct, Multi Loose Tube Fiber Optic Cable
 - Simplex Zipcord
 - Duplex Zipcord
 - Indoor Distribution Cable
 - Outdoor Distribution Cable
 - Drop Cable
 - Drop Aerial Cable

FIBER OPTIC CABLES



TECHNICAL DATA

A fiber-optic cable, also known as an optical-fiber cable, is a cable assembly that is similar to an electrical cable but contains one or more optical fibers that convey light. Individual optical fiber elements are often coated with plastic coatings and housed in a protective tube appropriate for the environment in which the cable is used. Different types of cable are used for various purposes, such as long-distance telephony or providing a high-speed data link between different areas of a building. Because of the difference in refractive indexes, optical fiber is made up of a core and a cladding layer that are designed for complete internal reflection. In practical fibers, the cladding is often coated with an acrylate polymer or polyimide layer. This coating shields the fiber from damage but has no effect on its optical wave guide capabilities. Individual coated fibers (or fibers shaped into ribbons or bundles) are then extruded with a strong resin buffer layer or core tube(s) to produce the cable core. Depending on the application, many layers of protective wrapping are applied to make the cable. Light-absorbing ("dark") glass is occasionally used between the fibers in rigid fiber assemblies to prevent light from leaking out of one fiber from entering another. In fiber bundle imaging applications, this lowers crosstalk between fibers or flare.

APPLICATION

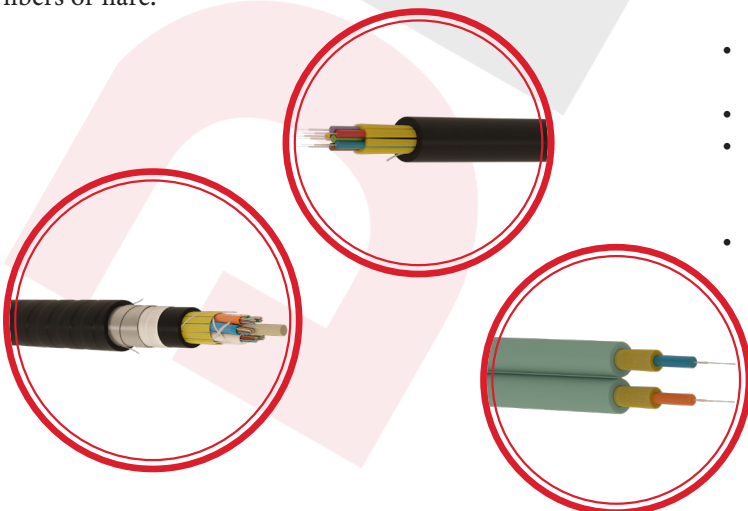
- Computer Networking
- Medical in Surgery and Dentistry
- Decorations and Lighting System
- Mechanical Inspections
- TV Cables
- Automotive Industry
- Military and Aerospace
- Internet
- Telephone
- Remote Sensing

TYPES

- SLT (Single Loose Tube)
- MLT (Multi Loose Tube)
- Other Types Fiber Optic Cables

ADVANTAGES

- Bandwidth is higher than copper cables
- Less power loss and allows data transmission for longer distances
- The optical cable is resistance for electromagnetic interference
- The size of the fiber cable is 4.5 times better than copper wires
- These cables are lighter, thinner, and occupy less area compare with metal wires.
- Installation is very easy due to less weight.
- The optical fiber cable is very hard to tap because they don't produce electromagnetic energy. These cables are very secure while carrying or transmitting data.
- A fiber optic cable is very flexible, easily bends, and opposes most acidic elements that hit the copper wire.



FIBER OPTIC CABLES DESIGNATION CODES ACCORDING TO VDE STANDARD

- **Optical Fiber Core Type**
 - SM Single Mode (9/125) (G.652.D)
 - SM1 Single Mode (9/125) (G.655)
 - SM2 Single Mode (9/125) (G.656)
 - SM7.A1 Single Mode (9/125) (G.657.A1)
 - SM7.A2 Single Mode (9/125) (G.657.A2)
 - OM1 Multi Mode OM1 (62.5/125)
 - OM2 Multi Mode OM2 (50/125)
 - OM3 Multi Mode OM3 (50/125)
 - OM4 Multi Mode OM4 (50/125)
 - Hybrid Hybrid
- **Tube**
 - SmicroSLT Supermicro, single loose tube
 - microSLT Micro, single loose tube
 - miniSLT Mini, single loose tube
 - SLT Single loose tube
 - mdMLT Microduct, multi loose tube
 - miniMLT Mini, multi loose tube
 - MLT Multi loose tube
 - TB Tight buffer
- **Tape**
 - L Laminated aluminium foil tape
- **Armour**
 - NMA Non-metallic armor
 - SA Single corrugated steel tape armor
 - DA Double corrugated steel tape armor
 - DGSTA Double galvanized steel tape armor
 - 5Extra Strength Member
 - SW Horizontally laid steel wire in the outer jacket
- **Jacket**
 - SJ Single polyethylene jacket
 - DJ Double polyethylene jacket
 - TJ Triple polyethylene jacket
 - SHFJ Single halogen-free jacket
 - DHFJ Double halogen-free jacket
 - THFJ Triple halogen-free jacket
 - 7Composite Cable
 - C(M) Solid copper, composite
 - C(S) Stranded copper, composite
 - C(M)F8 Solid copper, figure eight, composite
 - C(S)F8 Stranded copper, figure eight, composite
- **Aerial**
 - -A(x) Aerial (x= S (Short pole span), x= M (Medium pole span), x= L (Long pole span))
 - ADSS All-dielectric self-supporting
 - LADSS Light all-dielectric self-supporting
- **Non-metallic Strength Member**
 - (GYxxx) Glass yarn (xxx= Newton/100)
 - (AYxxx) Aramid yarn (xxx= Newton/100)
 - 10 Optical Fiber Core Count
 - xFO x= Optical fiber core count
 - xFO(axb) x= Optical fiber core count, a= Tube count, b= Number of optical fiber cores per loose tube
 - XOther
 - (D) Dry core
 - (RP) Rodent protection (Dielectric)
 - (FR) Fire Resistant

FIBER OPTIC CABLES DESIGNATION CODES

- **Product - Application**

- A Outdoor Cable
- AT Dividable Outdoor Cable
- B Loose Tube, Unfilled
- D Loose Tube, Filled
- F Fiber
- H Hollow Core, Unfilled
- J Indoor Cable
- U Universal Cable (Indoor and Outdoor)
- V Tight Buffer
- W Hollow Core, Filled

- **Type**

- B Loose Tube, Unfilled
- D Loose Tube, Filled
- DA Loose Tube made of Aluminium, Filled
- DC Loose Tube made of Copper, Filled
- DS Loose Tube made of Steel, Filled
- H Hollow Core, Unfilled
- V Tight Buffer
- W Hollow Core, Filled

- **Construction (From left to right, from inside to outside of the cable)**

- B Armoring
- 1B Armoring with One Layer Steel Tape
- 2B Armoring with Two Layer Steel Tape
- F Cable Core Filled
- 0F Cable Core Filled with Solids
- Q Dry Swelling Material in the Cable Core
- (L) Smooth Aluminium Foil Tape
- (R xx) Armoring made of Round Wires; xx= Wire Diameter in millimeters
- S Metal Conductor in the Cable Core
- (SR) Overlapping Corrugated Steel Tape
- (ZN) Non-metallic Strain Relief Elements
- (ZS) Metallic Tensile/Supporting Element in the Cable Core

- **Sheath Material**

- H Sheath or Protective Cover of Halogen-free Material
- M Lead Sheath
- Y Sheath or Protective Cover of PVC
- 2Y Sheath or Protective Cover of PE
- 4Y Sheath or Protective Cover of PA
- 5Y Sheath or Protective Cover of PTFE
- 6Y Sheath or Protective Cover of FEP
- 7Y Sheath or Protective Cover of ETFE
- 9Y Sheath or Protective Cover of PP
- 10Y Sheath or Protective Cover of PVDF
- 11Y Sheath or Protective Cover of TPE-U (PUR)
- 12Y Sheath or Protective Cover of TPE-E

- **Optical Fiber Core - Optical Fiber Core Dimensions**

- E Single Mode Optical Fiber Core (Glass Core/Glass Cladding)
- G Multi Mode Graded Index Optical Fiber Core (Glass Core/Glass Cladding)
- GK Multi Mode Graded Index Optical Fiber Core (Glass Core/Plastic Cladding)
- K Multi Mode Level Index Optical Fiber Core (Glass Core/Plastic Cladding)
- P Multi Mode Level Index Optical Fiber Core (Plastic Core/Plastic Cladding)
- S Multi Mode Level Index Optical Fiber Core (Glass Core/Plastic Cladding)
- Core Diameter and Field Diameter in μm (Nominal)
- Cladding Diameter in μm (Nominal)

SINGLE LOOSE TUBE, NON-METALLIC ARMOUR FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables have easy and fast installation due to its small diameter and light construction. They are suitable for pushing, blowing method. These cables are used in network systems, MAN, WAN, LAN applications and rodent protection.

CODE of CABLE

- A-DQ(ZN)2Y
- U-DQ(ZN)H

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic strength member (Glass yarn and aramid yarn)
- Ripcord
- UV resistant polyethylene (HDPE) black outer jacket

SINGLE LOOSE TUBE, NON-METALLIC ARMOUR AERIAL FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables are for aerial applications with easy and fast installation due to its small diameter and light construction. They are suitable to be used up to 40 meters pole span. These cables are used in network systems, MAN, WAN, LAN applications and rodent protection.

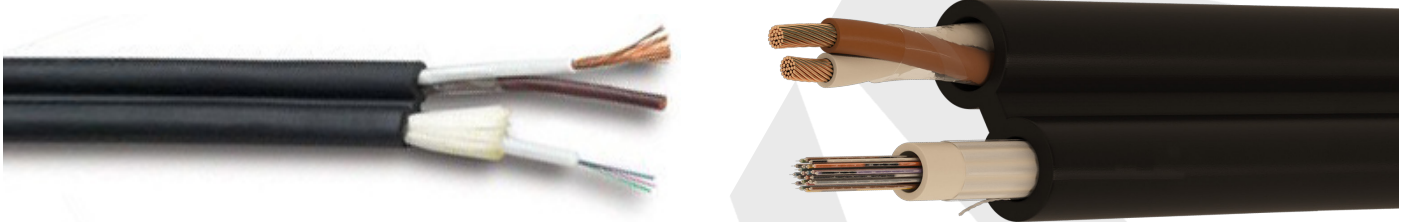
CODE of CABLE

- A-DQ(ZN)T2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic strength member (Glass yarn)
- Ripcord
- Web
- Galvanized steel wire (1.2 mm)
- UV resistant polyethylene (HDPE) black outer jacket

SINGLE LOOSE TUBE, NON-METALLIC ARMOUR FIBER OPTIC CABLE WITH STRANDED COPPER



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables are for aerial applications with easy and fast installation due to its small diameter and light construction with rodent protection. They are suitable for pushing, blowing method. They can be used in CCTV applications with mobile video camera and central network systems, signalization systems.

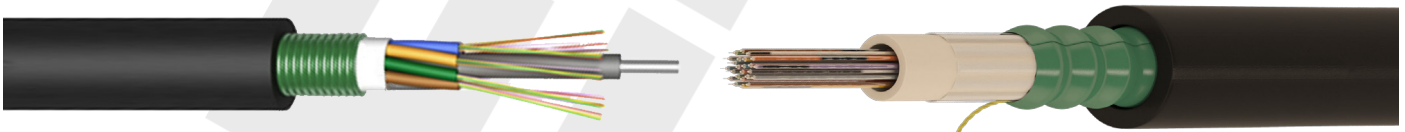
CODE of CABLE

- A-DQ(ZN)T2Y - Composite (Stranded Copper)

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic strength member (Glass yarn)
- Ripcord
- Web
- Power cable
- UV resistant polyethylene (HDPE) black outer jacket

SINGLE LOOSE TUBE, METALLIC CORRUGATED STEEL TAPE ARMOUR FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables are for aerial applications with easy and fast installation due to its small diameter and light construction. They are suitable for pushing, blowing methods. They are suitable for indoor and duct type applications with low smoke, zero halogen. These cables can be used in heavy-duty environments, network systems, MAN, WAN, LAN applications. They have rodent protection. Due to its thin construction, these cables can be used as an indoor cable.

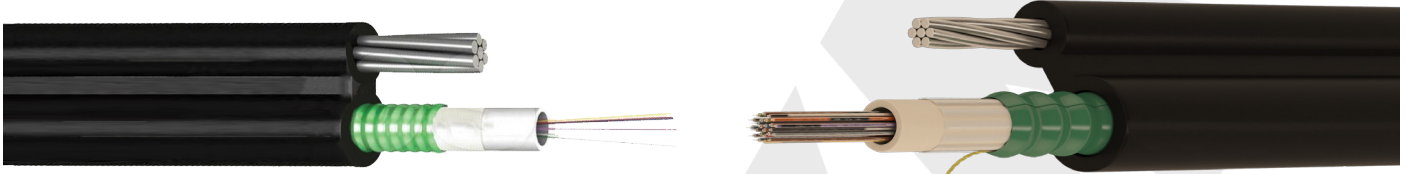
CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic strength member (Glass yarn)
- Ripcord
- Corrugated steel tape
- UV resistant halogen-free (LSOH) outer jacket

CODE of CABLE

- A-DQ(ZN)(SR)2Y
- U-DQ(ZN)(SR)H
- A-DQ(ZN)2Y(SR)2Y

SINGLE LOOSE TUBE CORRUGATED STEEL TAPE ARMOUR AERIAL FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables are for aerial applications with easy and fast installation due to its small diameter and light construction. They are suitable to be used up to 60 meters pole span. These cables are used in network systems, MAN, WAN, LAN applications and rodent protection.

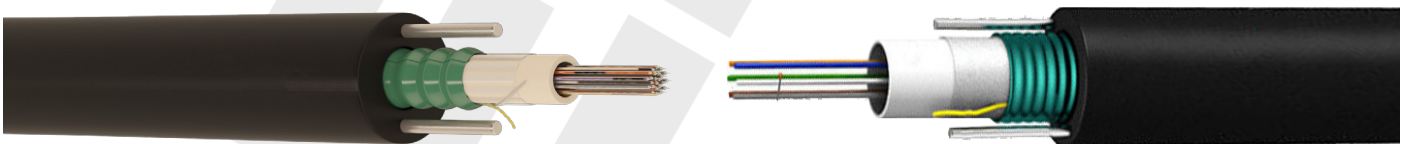
CODE of CABLE

- A-DQ(ZN)(SR)T2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic strength member (Glass yarn)
- Ripcord
- Web
- Power cable
- UV resistant polyethylene (HDPE) black outer jacket

SINGLE LOOSE TUBE CORRUGATED STEEL TAPE ARMOUR HORIZONTALLY LAID STEEL WIRE IN THE OUTER JACKET FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables have easy and fast installation due to its small diameter and light construction. They are suitable for pushing, blowing method. These cables are used in network systems, MAN, WAN, LAN applications and rodent protection.

CODES of CABLE

- A-DQ(ZN)(SR)2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic strength member (Glass yarn)
- Ripcord
- Corrugated steel tape
- Galvanized steel wire (2x1.2 mm)
- UV resistant polyethylene (HDPE) black outer jacket

SINGLE LOOSE TUBE CORRUGATED STEEL TAPE ARMOUR FIRE RESISTANT FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables are for aerial applications with easy and fast installation due to its small diameter and light construction. They are suitable for pushing, blowing methods. They are suitable for indoor and duct type applications with low smoke, zero halogen. These cables can be used in heavy-duty environments, network systems, MAN, WAN, LAN applications. They have rodent protection. Due to its thin construction, these cables can be used as an indoor cable.

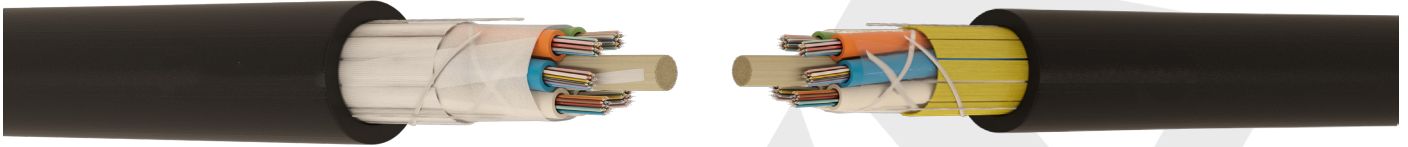
CODES of CABLE

- U-DQ(ZN)H(SR)H

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Mica tape
- Non-metallic strength member (Glass yarn)
- Ripcord
- UV resistant halogen-free (LSOH) inner jacket
- Ripcord
- Corrugated steel tape
- UV resistant halogen-free (LSOH) outer jacket

MULTI LOOSE TUBE, NON-METALLIC ARMOUR FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables have easy and fast installation due to its small diameter and light construction and rodent protection. They are suitable for pushing, blowing method. These cables can be used in power lines due to its non-metallic construction.

CODES of CABLE

- A-DF(ZN)2Y
- A-DQ(ZN)2Y
- U-DF(ZN)H
- U-DQ(ZN)H
- A-DF2Y(ZN)2Y
- A-DQ2Y(ZN)2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Jelly filling
- Core Wrapping (Polyester Tape)
- Non-metallic strength member (Aramid yarn)
- Ripcord
- UV resistant polyethylene (HDPE) black outer jacket

MULTI LOOSE TUBE, NON-METALLIC ARMOUR, STRANDED COPPER COMPOSITE CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø

INTRODUCTION

These cables are used for aerial applications in heavy duty environments. They have easy and fast installation due to its light construction. They are suitable to be used up to 60 meters pole span. As a backbone cable in telecommunication lines. These cables can be used in power lines due to its non-metallic construction.

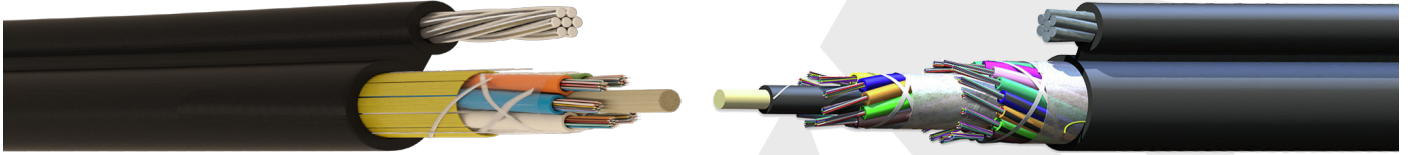
CODES of CABLE

- A-DQ(ZN)2Y Composite (Stranded Copper)

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Power cable
- Water-swellaable yarn
- Core Wrapping (Water-swellaable Tape)
- Non-metallic strength member (Glass yarn).
- Ripcord
- UV resistant polyethylene (HDPE) black outer jacket

MULTI LOOSE TUBE, NON-METALLIC ARMOUR AERIAL FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables are used for aerial applications in heavy duty environments. They have easy and fast installation due to its light construction. They are suitable to be used up to 60 meters pole span. As a backbone cable in telecommunication lines.

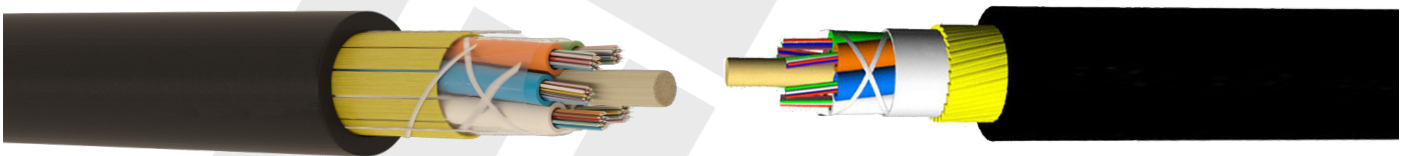
CODES of CABLE

- A-DF(ZN)T2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Jelly filling
- Core Wrapping (Polyester Tape)
- Non-metallic strength member (Aramid yarn)
- Ripcord
- Web
- Steel messenger wire (7x1.32 mm)
- UV resistant polyethylene (HDPE) black outer jacket

MULTI LOOSE TUBE, NON-METALLIC ARMOUR, LIGHT ALL-DIELECTRIC SELF-SUPPORTING FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables have easy and fast installation due to its small diameter and light construction and rodent protection. Because of their non-metallic nature, they are ideal for use in electricity lines. Aerial cable that isn't connected to a messenger wire. In high-stress situations and telecommunication lines, uses as a backbone wire.

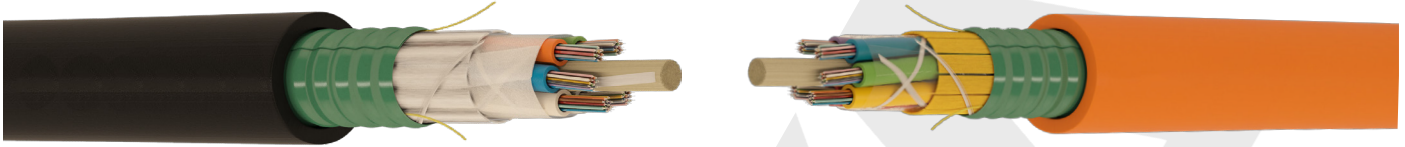
CODES of CABLE

- A-DF(ZN)2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Jelly filling
- Core Wrapping (Polyester Tape)
- Non-metallic strength member (Aramid yarn)
- Ripcord
- UV resistant polyethylene (HDPE) black outer jacket

MULTI LOOSE TUBE, CORRUGATED STEEL TAPE ARMOUR FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables have easy and fast installation due to its small diameter and light construction and rodent protection. They are suitable for pushing, blowing method. These cables can be used in power lines due to its non-metallic construction.

CODES of CABLE

- A-DF(ZN)(SR)2Y
- A-DQ(ZN)(SR)2Y
- U-DF(ZN)(SR)H
- U-DQ(ZN)(SR)H

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Water-swellaable yarn / Jelly filling
- Core Wrapping (Water-swellaable Tape)/(Polyester Tape)
- Non-metallic strength member (Glass yarn).
- Ripcord
- Corrugated steel tape
- UV resistant halogen-free (LSOH) outer jacket

MULTI LOOSE TUBE, CORRUGATED STEEL TAPE NON-METALLIC ARMOUR AERIAL FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø

INTRODUCTION

These cables are used for aerial applications in heavy duty environments. They are suitable to be used up to 60 meters pole span. They can also be used as a backbone cable in telecommunication lines.

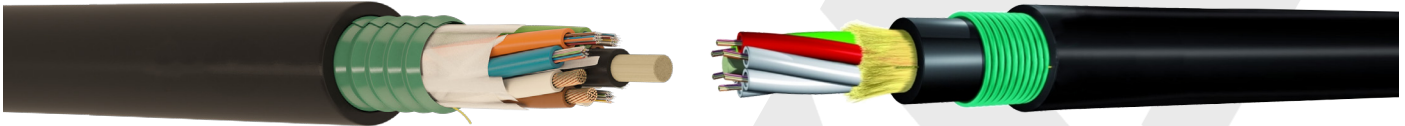
CODES of CABLE

- A-DF(ZN)2Y(SR)T2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Jelly filling
- Core Wrapping (Polyester Tape)
- Non-metallic strength member (Glass yarn)
- Ripcord
- Corrugated steel tape
- Web
- Steel messenger wire (7x1.12 mm)
- UV resistant polyethylene (HDPE) black outer jacket

MULTI LOOSE TUBE, CORRUGATED STEEL TAPE ARMOUR STRANDED COPPER COMPOSITE CABLE FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables have easy and fast installation due to its small diameter and light construction with rodent protection. They are suitable for pushing, blowing method. They can be used in CCTV applications with mobile video camera and central network systems, signalization systems.

CODES of CABLE

- A-DQ(ZN)(SR)2Y - Composite (Stranded Copper)

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Non-metallic central strength member (FRP)
- Power cable
- Water-swellable yarn
- Core Wrapping (Water-swellable Tape)
- Non-metallic strength member (Glass yarn).
- Ripcord
- Corrugated steel tape
- UV resistant polyethylene (HDPE) black outer jacket

MULTI LOOSE TUBE, DOUBLE GALVANIZED STEEL TAPE ARMOUR FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables have easy and fast installation due to its small diameter and light construction and rodent protection. Because of their non-metallic nature, they are ideal for use in electricity lines. Aerial cable that isn't connected to a messenger wire. In high-stress situations in telecommunication lines, as a backbone wire.

CODES of CABLE

- A-DF(ZN)2Y2B2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Jelly filling
- Core Wrapping (Polyester Tape)
- Non-metallic strength member (Aramid yarn)
- Ripcord
- UV resistant polyethylene (LLDPE) black inner jacket
- Water-swellable tape
- Two helically laid galvanized steel tape
- Ripcord
- UV resistant polyethylene (HDPE) black outer jacket

MULTI LOOSE TUBE, DOUBLE GALVANIZED STEEL TAPE ARMOUR FIRE RESISTANT FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables are designed for heavy-duty applications and aerial applications. Due to the double layer of galvanized steel, it provides added strength. They can be used in telecommunication lines as a backbone wire.

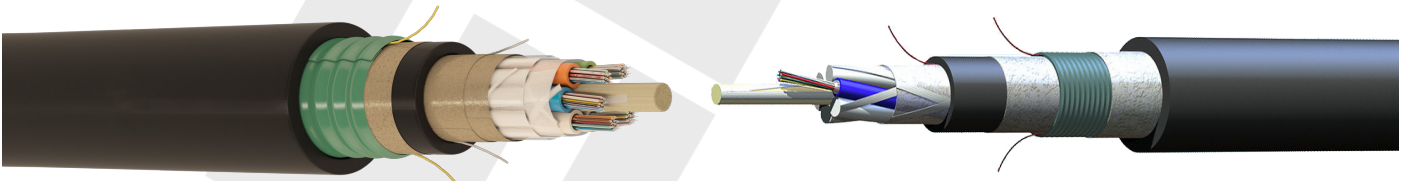
CODES of CABLE

- A-DF(ZN)2Y2BT2Y

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Jelly filling
- Core Wrapping (Polyester Tape)
- Non-metallic strength member (Aramid yarn)
- Ripcord
- UV resistant polyethylene (LLDPE) black inner jacket
- Water-swellaable tape / Crepe paper
- Two ballistic proof, helically laid galvanized steel tape
- Ripcord
- Web
- Steel messenger wire (7x1.75 mm)
- UV resistant polyethylene (HDPE) black outer jacket

MULTI LOOSE TUBE, CORRUGATED STEEL TAPE ARMOUR FIRE RESISTANT FIBER OPTIC CABLE



TECHNICAL DATA

- Max. Operating Temperature: 70°C
- Min. Bending Radius: 20 x cable Ø
- Production Standards: EN 60794-3-12

INTRODUCTION

These cables can be used for indoor and duct type applications that needs low smoke, zero halogen. Suitable for heavy duty environments applications and network systems, MAN, WAN, LAN applications. Due to its fire resistance and rodent protection, they are suitable in applications where human life needs to be protected.

CODES of CABLE

- U-DQ(ZN)H(SR)H

CONSTRUCTION

- Optical fiber core
- Waterproof thixotropic jelly
- PBT Tube
- Non-metallic central strength member (FRP)
- Water-swellaable yarn
- Core Wrapping (Water-swellaable Tape)
- Non-metallic strength member (Glass yarn)
- Double layer of mica tape
- Ripcord
- UV resistant halogen-free (LSOH) inner jacket
- Mica tape
- Ripcord
- Corrugated steel tape
- UV resistant halogen-free (LSOH) outer jacket