

Features

- This design offers a reliable transmission performance over a broad temperature range.
- Multiple fiber types, including hybrid.
- High Fiber density.
- Improved compressive strength
- Rodent Proof
- Flame Retardant (Optional)
- Multiple Network applications.

Applications

- Direct Buried, underground duct
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

Construction Details

Optical fibers along with the water blocking elements are placed inside the buffer tubes. The core is constructed by stranding the buffer tubes around a central strength member. The core is then encased with an extruded sheath of HDPE/LSZH which completes the construction. Ripcords are provided under the armour for ease of access to the core.

Specifications

Cable Configuration					
Fiber Count	Number of Fibers per tube	Number of tubes	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
2-12F	2	1-6	10.5	110	2000
24F	4	6	10.5	110	2000
48F	8	6	11.0	125	2000
96F	12	8	12.5	150	2500
144F	12	12	15.0	250	2500

Environmental Specifications (Temperature)

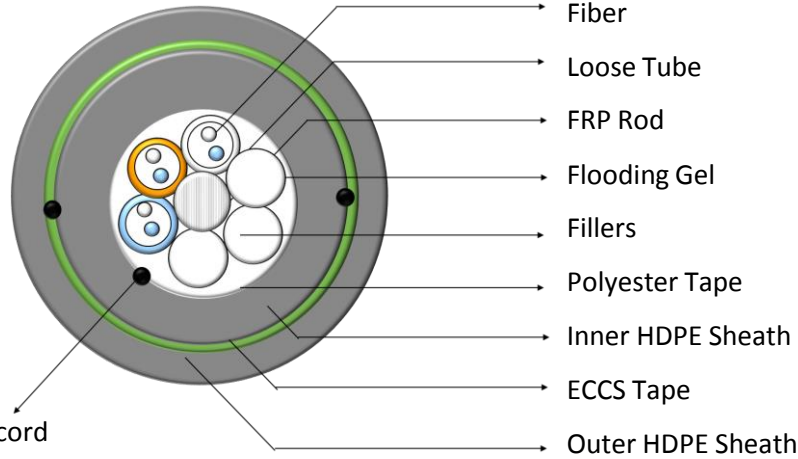
Operation and Storage: -40°C to +70°C
 Installation: -30°C to +75°C

Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900

Armoured CSTA Cables

Multitube Double Sheath



Features

- This design offers a reliable transmission performance over a broad temperature range.
- Multiple fiber types, including hybrid.
- High Fiber density.
- Improved compressive strength
- Rodent Proof
- Flame Retardant (Optional)
- Multiple Network applications.

Applications

- Direct Buried, underground duct
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

Construction Details

Optical fibers along with the water blocking elements are placed inside the buffer tubes. The core is constructed by stranding the buffer tubes around a central strength member. The core is then encased with an extruded sheath of HDPE/LSZH which forms the inner sheath. A corrugated steel tape is applied over the inner and another sheath (HDPE/LSZH) over the armouring completes the construction. Ripcords are provided under the inner sheath and armor for ease of access to the core.

Specifications

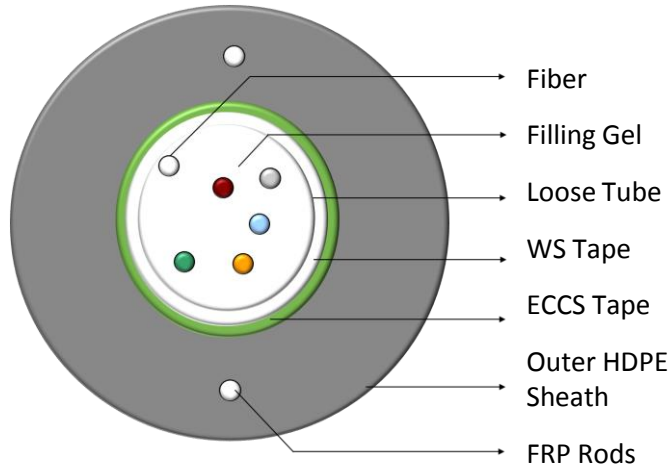
Cable Configuration					
Fiber Count	Number of Fibers per tube	Number of tubes	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
2-12F	2	1-6	13.5	170	3000
24F	4	6	13.5	170	3000
48F	8	6	14.5	185	4000
96F	12	8	16.0	285	4000
144F	12	12	18.5	320	4000

Environmental Specifications (Temperature)

Operation and Storage: -40°C to +70°C
 Installation: -30°C to +75°C

Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900



Features

- This design offers a reliable transmission performance over a broad temperature range.
- Easy handling
- Flexible
- Rodent Proof
- Flame Retardant (Optional)
- Multiple Network applications.

Applications

- Direct Buried, underground duct
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

Construction Details

Single Loose tube cables offer a low cost alternative to traditional stranded loose tube cables. The rugged single loose tube design features optical fibers placed inside a single gel-filled tube. The core tube includes up to 24 fibers. The core is covered with a water-blocking tape. Corrugated steel tape armor is applied and then encased with the outer sheath. A ripcord is provided under the armor for ease of access.

Specifications

Cable Configuration				
Fiber Count	Number of Fibers per tube	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
2-12F	12	8.5	75	1000
24F	24	9.2	90	1000

Environmental Specifications (Temperature)

Operation and Storage: -40°C to +70°C

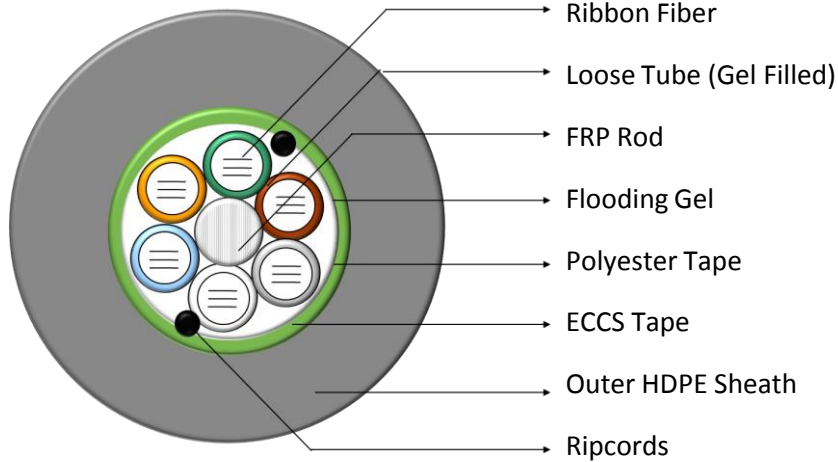
Installation: -30°C to +75°C

Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900

Armoured CSTA Cables

Ribbon Multitube



Features

- This design offers a reliable transmission performance over a broad temperature range.
- Ribbon fibers – 8 fibers per ribbon
- High Fiber density
- Improved compressive strength
- Rodent Proof
- Flame Retardant (Optional)
- Multiple Network applications.
- Saves labour cost by offering mass fusion splicing

Applications

- Direct Buried, underground duct
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

Construction Details

Fiber ribbons are produced with high dimensional precision and low planarity which equates low losses during mass fusion splicing. Steel tape armouring gives protection to the cable against rodent attacks. Stranded tube design features optical fibers ribbons placed in gel filled tubes.

Specifications

Cable Configuration					
Fiber Count	Number of Ribbons per tube	Number of tubes	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
48	1	6	16.0	250	3000
96	2	6	16.0	250	3000
144	3	6	18.0	300	3000
288	6	6	19.8	360	3000
576	8	6	22.0	480	4000

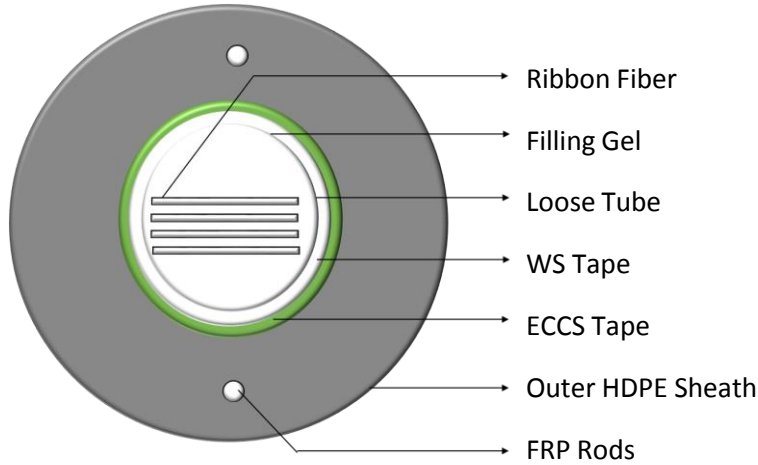
Environmental Specifications (Temperature)

Operation and Storage: -40°C to +70°C
 Installation: -30°C to +75°C

Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900

Armoured CSTA Cables **Ribbon Unitube**



Construction Details

Fiber ribbons are produced with high dimensional precision and low planarity which equates low losses during mass fusion splicing. Steel tape armouring gives protection to the cable against rodent attacks. Unitube design features optical fibers ribbons placed in a single gel filled tube.

Specifications

Cable Configuration				
Fiber Count	Number of ribbons per tube	Diameter (mm)	Cable Weight (kg/km)	Tensile Strength (N)
24	3	11.5	125	2500
48	6	12.5	150	2500
96	8	13.0	160	2500
144	12	14.5	210	2500

Features

- This design offers a reliable transmission performance over a broad temperature range.
- Ribbon fibers – 8 fibers per ribbon
- High Fiber density
- Improved compressive strength
- Rodent Proof
- Flame Retardant (Optional)
- Multiple Network applications.
- Saves labour cost by offering mass fusion splicing

Applications

- Direct Buried, underground duct
- Trunk distribution and feeder cable
- Metro, Long Haul and broadband network

Product Options

- Available with all kinds of Single Mode and Multimode fibers.
- Length option of 2.0, 4.0 km.

Environmental Specifications (Temperature)

Operation and Storage: -40°C to +70°C
 Installation: -30°C to +75°C

Standards Compliant

- ITU-T
- IEC 60793 & 60794
- EN187000
- Telecordia GR-20
- EIA/TIA
- RUS1755.900