

OFR TELECOM PVT LTD .

Outdoor Cables (2-12 F)

Single Tube Unarmoured Cable

Central Loose Tube Design

Applications

- Inside Duct, Pulled or Blown
- For CATV application, aerial application along with messenger wire

Cable Construction

- Up to 12 low water peak single mode fibres in compliance with ITU-T-G.652D
- Metallic & Non metallic rod used as Peripheral Strength Member
- Loose buffer tubes jelly filled and centrally placed in the cable
- UV stabilized PE outer sheath, black

Special Features

- Light weight cable for fast and easy installation

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 20D, D=Cable Diameter
 Installed 15D, D=Cable Diameter
 Repeated Bending 30 Cycle, r=20D, 5 Kg Load, D=Cable Diameter
 (IEC 60794-1-2-E6)

Tensile Force (IEC 60794-1-2-E1)

During Installation 800 N
 Installed 500 N
 Torsion Resistance (IEC 60794-1-2-E7) 10 Cycle ($\pm 360^\circ$) 5 Kg weight, L=1 Mtr
 Crush Resistance (IEC 60794-1-2-E3) 500 N (100 X 100 mm) for 60 sec
 Impact Resistance (IEC 60794-1-2-E4) Height 500 mm, Weight=3 Kg, 3 Nos
 Kink Resistance (IEC 60794-1-2-E10) 15D, D=Cable Diameter
 Water Penetration (IEC 60794-1-2-F5B) 1 Mtr Water Head, 3 Mtr Cable Sample, 24 Hours

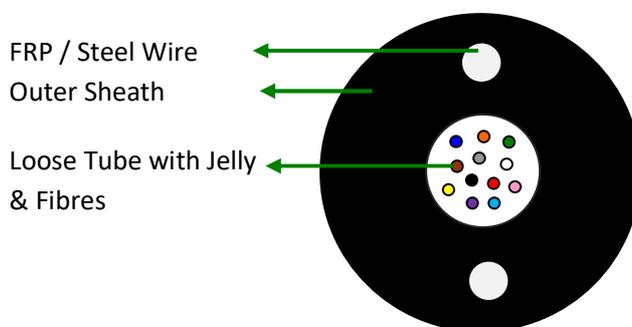
Variants*

*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50µm & 62.5µm)

*Outer Jacket can be of PVC, Nylon, LSZH, and HDPE

*Strength member can be Steel or FRP

*These are general characteristics; customized designs are available as per requirements



UNITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
2 to 8	6.0	30	800	500
12	6.5	35	800	500

Drum Length

2000 / 3000 /4000 meters $\pm 10\%$

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.
 Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

OFR TELECOM PVT LTD .

Outdoor Cables (2-144 F)

Multi-tube Single Sheath Unarmoured Cable

Multi Loose Tube Design

Applications

- Inside Duct, Pulled or Blown

Cable Construction

- Up to 144 low water peak single mode fibres in compliance with ITU-T-G.652D
- Metallic & Non metallic element used as Central Strength Member for Tensile Strength
- Loose buffer tubes jelly filled
- Loose buffer tubes S-Z Stranded
- Cable core filled with jelly
- S-Z core wrapped with polyester tape
- UV stabilized PE outer sheath, black

Special Features

- Flexible buffer tubes provide easy fibre routing inside closure
- Lighter weight cable for fast and easy installation

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 20D, D=Cable Diameter

Installed 15D, D=Cable Diameter

Repeated Bending (IEC 60794-1-2-E6) 30 Cycle, r=20D, 5 Kg Load, D=Cable Diameter

Tensile Force (IEC 60794-1-2-E1)

During Installation 1800 N

Installed 1000 N

Torsion Resistance (IEC 60794-1-2-E7) 10 Cycle ($\pm 360^\circ$) 5 Kg weight, L=1 Mtr

Crush Resistance (IEC 60794-1-2-E3) 1800 N (100 X 100 mm) for 60 sec

Impact Resistance (IEC 60794-1-2-E4) Height 500 mm, Weight=3 Kg, 3 Nos

Kink Resistance (IEC 60794-1-2-E10) 15D, D=Cable Diameter

Water Penetration (IEC 60794-1-2-F5B) 1 Mtr Water Head, 3 Mtr Cable Sample, 24 Hours

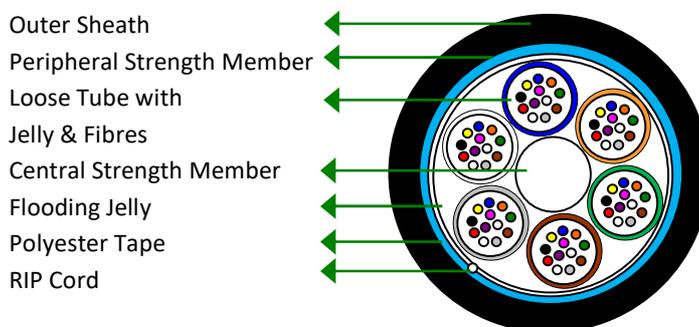
Variants*

*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50µm & 62.5µm)

*Outer Jacket can be of PVC, Nylon, LSZH, and HDPE

*Strength member can be Steel or FRP

*These are general characteristics; customized designs are available as per requirements



MUTITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
Upto 72	10.0	85	1800	1000
96	12.0	115	1800	1000
144	15.0	180	1800	1000

Drum Length

2000 / 3000 /4000 meters $\pm 5\%$

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

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OFR TELECOM PVT LTD .

Outdoor Cables

Multi-tube Ribbon Type Unarmoured Cable

Multi Loose Tube Design

Applications

- Inside Duct, Pulled or Blown

Cable Construction

- Up to 288 low water peak single mode fibres in compliance with ITU-T-G.652D
- Metallic & Non metallic element used as Central Strength Member for Tensile Strength
- Loose buffer tubes jelly filled
- Loose buffer tubes S-Z Stranded
- Cable core filled with jelly
- S-Z core wrapped with polyester tape
- UV stabilized PE outer sheath, black

Special Features

- Flexible buffer tubes provide easy fibre routing inside closure
- Lighter weight cable for fast and easy installation

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

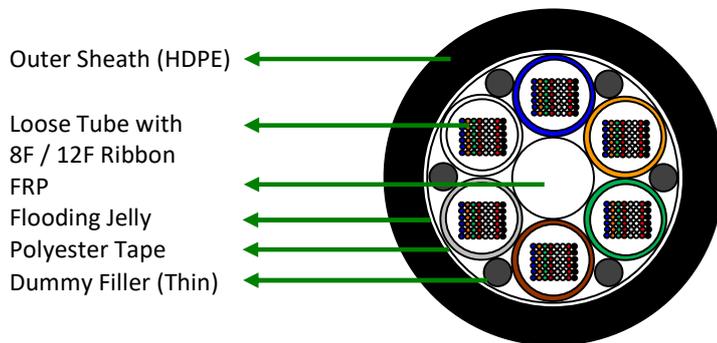
During Installation 20D, D=Cable Diameter
 Installed 15D, D=Cable Diameter
 Repeated Bending 30 Cycle, r=20D, 5 Kg Load, D=Cable Diameter
 (IEC 60794-1-2-E6)

Tensile Force (IEC 60794-1-2-E1)

During Installation 3000 N
 Installed 1500 N
 Torsion Resistance (IEC 60794-1-2-E7) 10 Cycle ($\pm 360^\circ$) 5 Kg weight, L=1 Mtr
 Crush Resistance (IEC 60794-1-2-E3) 1500 N (100 X 100 mm) for 60 sec
 Impact Resistance (IEC 60794-1-2-E4) Height 500 mm, Weight=3 Kg, 3 Nos
 Kink Resistance (IEC 60794-1-2-E10) 15D, D=Cable Diameter
 Water Penetration (IEC 60794-1-2-F5B) 1 Mtr Water Head, 3 Mtr Cable Sample, 24 Hours

Variants*

- *Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50µm & 62.5µm)
- *Outer Jacket can be of PVC, Nylon, LSZH, and HDPE
- *Strength member can be Steel or FRP
- *These are general characteristics; customized designs are available as per requirements



MUTITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
96	17.0	250	3000	1500
288	18.5	330	3000	1500

Drum Length

2000 / 3000 /4000 meters $\pm 5\%$

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

OFR TELECOM PVT LTD .

Outdoor Cables (2-12 F)

Single Tube Armoured Cable

Central Loose Tube Design

Applications

- Inside Duct, Pulled or Blown
- In areas where high mechanical load is required
- In areas where rodent attack is there

Cable Construction

- Up to 12 low water peak single mode fibres in compliance with ITU-T-G.652D
- Metallic & Anti buckling element steel wires are used as Peripheral Strength Member
- Loose buffer tube jelly filled and centrally placed in the cable
- UV stabilized PE outer sheath, black

Special Features

- Lighter weight cable for fast and easy installation
- Robust Construction

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 20D, D=Cable Diameter

Installed 15D, D=Cable Diameter

Repeated Bending (IEC 60794-1-2-E6) 30 Cycle, r=20D, 5 Kg Load, D=Cable Diameter

Tensile Force (IEC 60794-1-2-E1)

During Installation 1800 N

Installed 1000 N

Torsion Resistance (IEC 60794-1-2-E7) 10 Cycle ($\pm 360^\circ$) 5 Kg weight, L=1 Mtr

Crush Resistance (IEC 60794-1-2-E3) 1000 N (100 X 100 mm) for 60 sec

Impact Resistance (IEC 60794-1-2-E4) Height 500 mm, Weight=3 Kg, 3 Nos

Kink Resistance (IEC 60794-1-2-E10) 15D, D=Cable Diameter

Water Penetration (IEC 60794-1-2-F5B) 1 Mtr Water Head, 3 Mtr Cable Sample, 24 Hours

Variants*

*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50 μ m & 62.5 μ m)

*Outer Jacket can be of PVC, Nylon, LSZH, and HDPE

*Strength member can be Steel or FRP

*These are general characteristics; customized designs are available as per requirements

Steel Wire / FRP

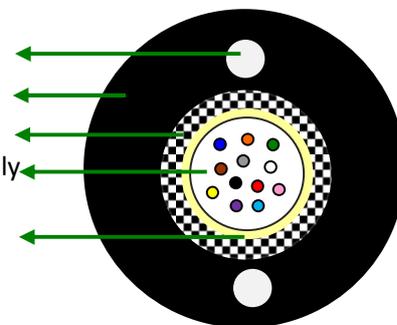
Outer Sheath

ECCS Tape

Loose Tube with Jelly

& Fibres

Glass Yarn



UNITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
Up to 12	8.5	70	1800	1000

Drum Length

2000 / 3000 / 4000 meters $\pm 10\%$

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Armoured, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

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OFR TELECOM PVT LTD .

Outdoor Cables (2-144 F)

Multi-tube Single Sheath Armoured Cable

Multi Loose Tube Design

Applications

- Direct Buried / Inside Duct
- In areas where high mechanical load is required
- In areas where rodent attack is there

Cable Construction

- Up to 144 low water peak single mode fibres in compliance with ITU-T-G.652D
- Non metallic and anti buckling element FRP rod used as Central Strength Member
- Loose buffer tubes jelly filled
- Loose buffer tubes S-Z Stranded
- Cable core filled with jelly
- S-Z core wrapped with polyester tape
- ECCS Tape Armouring (Corrugated)
- UV stabilized PE outer sheath, black

Special Features

- Corrugated steel tape act as protection against rodents and mechanical damage
- Robust construction
- Flexible buffer tubes provide easy fibre routing inside closure

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 20D, D=Cable Diameter

Installed 15D, D=Cable Diameter

Repeated Bending 30 Cycle, r=20D, 5 Kg Load, D=Cable Diameter

Tensile Force (IEC 60794-1-2-E1)

During Installation 2700 N

Installed 1500 N

Torsion Resistance (IEC 60794-1-2-E7) 10 Cycle ($\pm 360^\circ$) 5 Kg weight, L=1 Mtr

Crush Resistance (IEC 60794-1-2-E3) 1800 N (100 X 100 mm) for 60 sec

Impact Resistance (IEC 60794-1-2-E4) Height 500 mm, Weight=3 Kg, 3 Nos

Kink Resistance (IEC 60794-1-2-E10) 15D, D=Cable Diameter

Water Penetration (IEC 60794-1-2-F5B) 1 Mtr Water Head, 3 Mtr Cable Sample, 24 Hours

Variants*

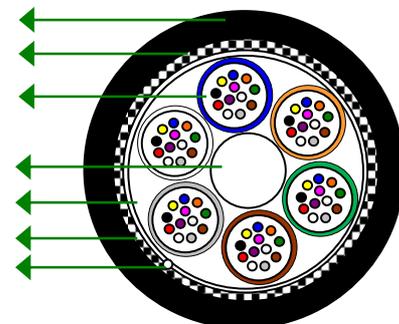
*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50 μ m & 62.5 μ m)

*Outer Jacket can be of PVC, Nylon, LSZH, and HDPE

*Strength member can be Steel or FRP

*These are general characteristics; customized designs are available as per requirements

Outer Sheath
ECCS Tape
Loose Tube with Jelly & Fibres
Central Strength Member
Flooding Jelly
Polyester Tape
RIP Cord



MUTITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
Upto 48	11.5	125	2700	1500
72	12.0	135	2700	1500
96	13.5	170	2700	1500
144	16.5	250	2700	1500

Drum Length

2000 / 3000 /4000 meters \pm 10%

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Armoured, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

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OFR TELECOM PVT LTD .

Outdoor Cables (2-144 F)

Multi-tube Double Sheath Armoured Cable

Multi Loose Tube Design

Applications

- Direct buried / Inside Duct
- In areas where high mechanical load is required
- In areas where rodent attack is there

Cable Construction

- Up to 144 low water peak single mode fibres in compliance with ITU-T-G.652D
- Non metallic and anti buckling element FRP rod used as Central Strength Member
- Loose buffer tubes jelly filled
- Loose buffer tubes S-Z Stranded
- Cable core filled with jelly
- S-Z core wrapped with polyester tape
- ECCS Tape Armouring (Corrugated)
- UV stabilized PE Inner & outer sheath, black

Special Features

- Corrugated steel tape act as protection against rodents and mechanical damage
- Robust construction
- Flexible buffer tubes provide easy fibre routing inside closure

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 20D, D=Cable Diameter

Installed 15D, D=Cable Diameter

Repeated Bending (IEC 60794-1-2-E6) 30 Cycle, r=20D, 5 Kg Load, D=Cable Diameter

Tensile Force (IEC 60794-1-2-E1)

During Installation 3500 N

Installed 2000 N

Torsion Resistance (IEC 60794-1-2-E7) 10 Cycle ($\pm 360^\circ$) 5 Kg weight, L=1 Mtr

Crush Resistance (IEC 60794-1-2-E3) 1800 N (100 X 100 mm) for 60 sec

Impact Resistance (IEC 60794-1-2-E4) Height 500 mm, Weight=3 Kg, 3 Nos

Kink Resistance (IEC 60794-1-2-E10) 15D, D=Cable Diameter

Water Penetration (IEC 60794-1-2-F5B) 1 Mtr Water Head, 3 Mtr Cable Sample, 24 Hours

Variants*

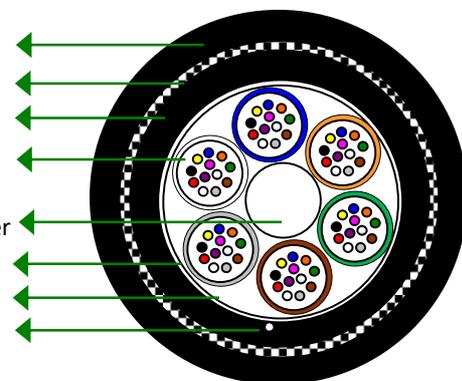
*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50 μ m & 62.5 μ m)

*Outer Jacket can be of PVC, Nylon, LSZH, and HDPE

*Strength member can be Steel or FRP

*These are general characteristics; customized designs are available as per requirements

Outer Sheath
ECCS Tape
Inner Sheath
Loose Tube with Jelly & Fibres
Central Strength Member
Flooding Jelly
Polyester Tape
RIP Cord



MUTITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
Upto 48	14.0	180	3500	2000
72	14.5	190	3500	2000
96	15.5	220	3500	2000
144	19.0	300	3500	2000

Drum Length

2000 / 3000 /4000 meters $\pm 10\%$

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Armoured, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

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OFR TELECOM PVT LTD .

Outdoor Cables (2-144 F)

All Dielectric Self Supporting Aerial Cable

Multi Loose Tube Design

Applications

- Self supporting aerial installation with rigorous load conditions Including heavy wind & ice
- Suitable for span length of 100 mtrs

Cable Construction

- Up to 144 low water peak single mode fibres in compliance with ITU-T-G.652D
- Non metallic and anti buckling element FRP rod used as Central Strength Member
- Loose buffer tubes jelly filled
- Loose buffer tubes S-Z Stranded
- Cable core filled with jelly / WS Yarn
- S-Z core wrapped with polyester tape / WS Tape
- High modulus, aramid yarns peripheral strength member
- UV stabilized outer sheath, black

Special Features

- Single layer stranded construction
- Offers exceptional strength and corrosion resistance for Aerial application
- Flexible buffer tubes provide easy fibre routing inside closure

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 20D, D=Cable Diameter

Installed 15D, D=Cable Diameter

Repeated Bending (IEC 60794-1-2-E6) 30 Cycle, r=20D, 5 Kg Load, D=Cable Diameter

Tensile Force (IEC 60794-1-2-E1)

During Installation 5000 N

Installed 2500 N

Torsion Resistance (IEC 60794-1-2-E7) 10 Cycle ($\pm 360^\circ$) 5 Kg weight, L=1 Mtr

Crush Resistance (IEC 60794-1-2-E3) 2000 N (100 X 100 mm) for 60 sec

Impact Resistance (IEC 60794-1-2-E4) Height 500 mm, Weight=2 Kg, 3 Nos

Kink Resistance (IEC 60794-1-2-E10) 20D, D=Cable Diameter

Water Penetration (IEC 60794-1-2-F5B) 1 Mtr Water Head, 3 Mtr Cable Sample, 24 Hours

Variants*

*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50 μ m & 62.5 μ m)

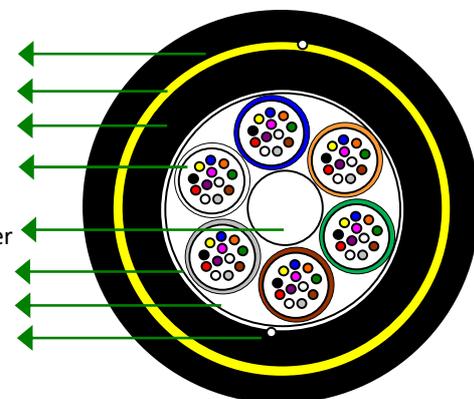
*Outer Jacket can be of PVC, Nylon, LSZH, and HDPE

*Cable construction can be jelly filled or dry core

*Strength member can be Steel or FRP

*These are general characteristics; customized designs are available as per requirements

- Outer Sheath
- Aramid Yarn
- Inner Sheath
- Loose Tube with Jelly & Fibres
- Central Strength Member
- Flooding Jelly
- Polyester Tape
- RIP Cord



MUTITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
Upto 48	12.5	125	5000	2500
72	13.5	150	5000	2500
96	15.0	180	5000	2500
144	18.0	250	5000	2500

Drum Length

2000 meters \pm 10%

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Aerial, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

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OFR TELECOM PVT LTD .

Outdoor Cables (2-144 F)

Multi Loose Tube Design
Suitable for Aerial Installation

Applications

- Lashed aerial installation with rigorous load conditions Including heavy wind & ice
- Suitable for span length of 100 mtrs

Cable Construction

- Up to 144 low water peak single mode fibres in compliance with ITU-T-G.652D
- Non metallic and anti buckling element FRP rod used as Central Strength Member
- Loose buffer tubes jelly filled
- Loose buffer tubes S-Z Stranded
- Cable core filled with jelly / WS Yarn
- S-Z core wrapped with polyester tape / WS Tape
- High tensile, galvanized, stranded steel wire used as messenger
- UV stabilized outer sheath, black

Special Features

- Single layer stranded construction
- Offers exceptional strength and corrosion resistance for Aerial application with high tensile messenger
- Flexible buffer tubes provide easy fibre routing inside closure

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 20D, D=Cable Diameter

Installed 15D, D=Cable Diameter

Repeated Bending (IEC 60794-1-2-E6) 30 Cycle, r=20D, 5 Kg Load, D=Cable Diameter

Tensile Force (IEC 60794-1-2-E1)

During Installation 5000 N

Installed 2500 N

Torsion Resistance (IEC 60794-1-2-E7) 10 Cycle ($\pm 360^\circ$) 5 Kg weight, L=1 Mtr

Crush Resistance (IEC 60794-1-2-E3) 2000 N (100 X 100 mm) for 60 sec

Impact Resistance (IEC 60794-1-2-E4) Height 500 mm, Weight=2 Kg, 3 Nos

Kink Resistance (IEC 60794-1-2-E10) 20D, D=Cable Diameter

Water Penetration (IEC 60794-1-2-F5B) 1 Mtr Water Head, 3 Mtr Cable Sample, 24 Hours

Variants*

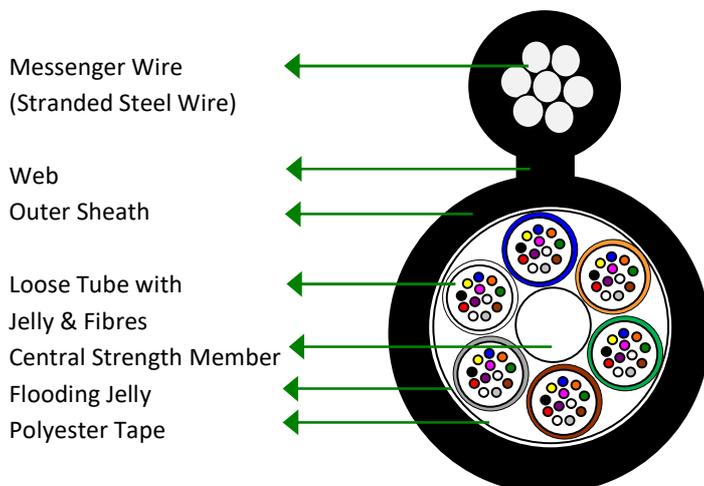
*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50 μ m & 62.5 μ m)

*Outer Jacket can be of PVC, Nylon, LSZH, and HDPE

*Cable construction can be jelly filled or dry core

*Strength member can be Steel or FRP

*These are general characteristics; customized designs are available as per requirements



MUTITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
Upto 48	11.0	135	5000	2500
72	11.5	150	5000	2500
96	12.0	180	5000	2500
144	15.5	250	5000	2500

Drum Length

2000 meters \pm 10%

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Aerial, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

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OFR TELECOM PVT LTD .

FTTH Cable (2F)

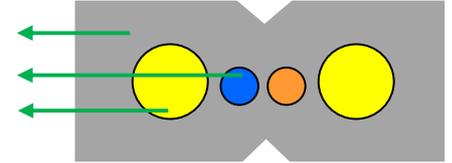
Applications

- Low bending cable suitable for Indoor application

Cable Construction

- Primary coated fibre – G.657A
- Strength Member – ARP Rods
- Sheath – White LSZH
-

Outer Sheath (LSZH)
Optical Fibres (G.657A)
ARP Rods



Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
1 or 2 F	3.2*2.1	10	150	100

Drum Length

1000 meters \pm 5%

Cable Sheath Marking

Cable sheath shall be marked in black colour with inkjet printing. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

Variants*

**Strength member can be Steel or FRP/ARP

*These are general characteristics; customized designs are available as per requirements

OFR TELECOM PVT LTD .

Drop Cable (2 to 6F)

Suitable for Outdoor Application

Applications

- Drop cable suitable for outdoor application
- Suitable for introducing fibre into the building

Cable Design

- 2, 4, 6 No of Single Mode Fibre – G.652D
- Strength Member – ARP Rods
- UV Stabilized HDPE Sheath, black
- Supporting FRP Rod / Steel Wire

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

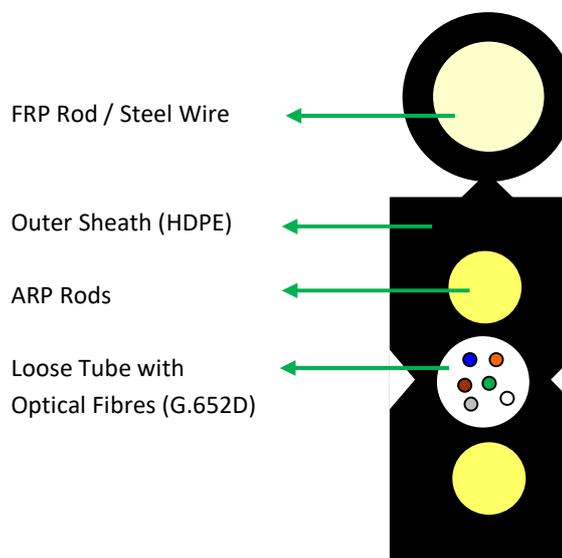
During Installation 20D, D=Cable Diameter

Installed 15D, D=Cable Diameter

Tensile Force (IEC 60794-1-2-E1)

Installation 1000 N

Installed 500 N



Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
2 to 6 F	6.8 * 3.0	20	1000	500

Drum Length

1000 meters ± 5%

Cable Sheath Marking

Cable sheath shall be marked in white colour with inkjet printing. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

Variants*

**Strength member can be Steel or FRP/ARP

*These are general characteristics; customized designs are available as per requirements

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OFR TELECOM PVT LTD .

Outdoor FO Cable (2-8 F)

Stainless Steel Loose Tube with Stainless Steel Wire Armouring Cable

Applications

- Indoor or Outdoor
- Military or civil applications
- Rapid Deployment in harsh conditions

Cable Construction

- Up to 8 fibres, Single Mode or Multimode fibres
- Gel-filled stainless steel loose tube, centrally placed in the cable
- Armouring & strain relief made of stainless steel wires
- Outer Sheath is of Polyamide with extra abrasion resistance

Special Features

- Lighter weight cable for fast and easy installation
- Robust Construction
- Rodent Proof
- High crush resistance

Temperature Range

Laying & Installation -50°C to +70°C
 Operation -40°C to +60°C

Mechanical Characteristics

Tensile Force

During Installation 1800 N
 Installed 1000 N
Crush Resistance 1000 N (100 X 100 mm)

Min Bending Radius

Permanent 10*D, D=Cable Diameter
 Installed 15*D, D=Cable Diameter

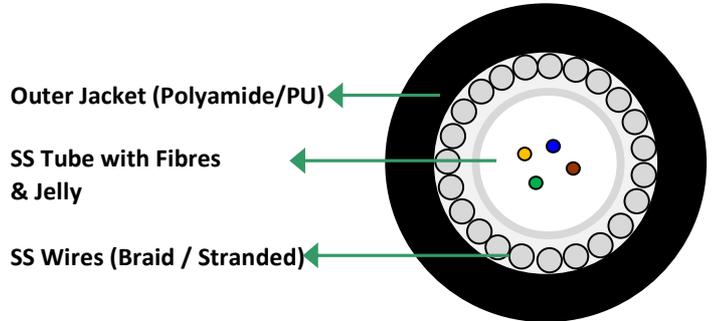
Variants*

*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50µm & 62.5µm)

*Outer Jacket can be of PU, Nylon and HDPE

**These are general characteristics; customized designs are available as per requirements

Tactical Cable (2-12 F)



UNITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
Up to 8	4.0	28	1800	1000

Drum Length

500 / 1000 / 2000 meters ± 10%

Cable Sheath Marking

Cable sheath shall be marked in contrast colour with Ink Jet Marking. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Armoured, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.

OFR TELECOM PVT LTD .

Single Tube Unarmoured Cable Central Loose Tube Design

Applications

- Suitable for Aerial, Pipeline
- Intra Building backbones & Installation in Riser environment
- For Distribution

Cable Construction

- Tight Buffered Fibre without jelly compound

Special Features

- Light weight cable for fast and easy installation

Mechanical Characteristics

Temperature Range (IEC 60794-1-2-F1)

Laying & Installation -10°C to +50°C

Operation -20°C to +60°C

Cable Bending Radius (IEC 60794-1-2-E11A)

During Installation 25D, D=Cable Diameter

Installed 20D, D=Cable Diameter

Crush Resistance 1000 N

Tensile Force (IEC 60794-1-2-E1)

During Installation 1000 N

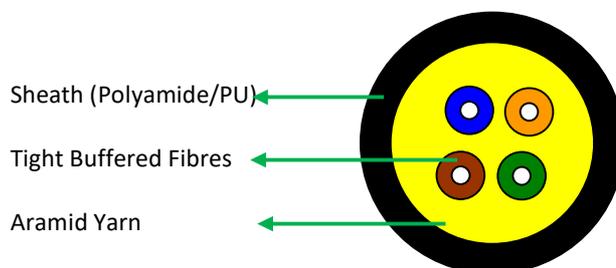
Installed 800 N

Variants*

*Cable can be supplied with single mode (ITU-T-G652, G655, and G657) & Multimode (50µm & 62.5µm)

*Outer Jacket can be of PU, Nylon, LSZH, and HDPE

*These are general characteristics; customized designs are available as per requirements



UNITUBE DESIGN

Fibre Count	Diameter (mm) (Nominal)	Weight (kg/km)	Tensile Strength	Tensile Strength
			Installation	Installed
2 to 8	6.0	30	1000	800
12	8	40	1000	800

Drum Length

2000 / 3000 /4000 meters ± 10%

Cable Sheath Marking

Cable sheath shall be marked in white colour with hot indentation method. Marking details can be customized. Below mentioned details are generally marked on the cable sheath.

Drum Number, Telephone Symbol, Laser Symbol, Number of Fibres, Month & Year of Manufacturing, Manufacturer's Name, Sequential Length Marking

Cable Drum Packing

Every length will be delivered on non-returnable wooden drums. Generally the cable drum flange will be marked with following.

- Arrow showing rolling direction of the drum.
- Manufacturer's name
- Number of fibres
- Cable length in meters
- Drum Number
- Net & gross weight
- Customer's name & destination

Both ends of the cable shall be sealed to prevent the ingress of moisture during transportation and storage, physical damage.