

## Fibre Cable Solutions

Catalogue 2017

# Empowering businesses through innovative network solutions.

We have been pushing boundaries and providing innovative products and solutions to clients around the world for nearly two decades. Our experience has taught us, that innovation can be achieved when people collaborate. The process and results are overly rewarding when creative minds are put together, that is why we work with clients throughout the entire design and engineering process to bring their innovations to life. Our high-quality manufacturing process, means that we enable our engineers to bring their visions to life, with the speed and scale that our clients demand.

We use the most advanced manufacturing innovations available, reducing lead time and making us more responsive. Our advantage system for manufacturing that we use, allows for global breakthroughs, and drives a culture of continuous improvement, which involves all processes in between.

Datatronix believes that achieving product excellence requires rising above industry standards; being better than our competitors by developing superior designs and manufacturing them with excellent processes, tight controls, and first-rate materials. Indeed, higher levels of quality and reliability are symbols of all Datatronix products.



## Commitment.

Delivering world-class client service and technical innovation are not just goals: they are imbedded in to Datatronix's DNA.



## Trust.

We strive to under promise and over deliver. Datatronix earns the trust of clients, partners, and employees through actions every day.



## Reliability.

Clients and business partners depend on Datatronix because of our uncompromising focus on quality.



## ISO 9001:2008 Certified.

Products bearing the Datatronix name have been certified to meet the highest industry quality standards.



## Fast Deployment.

We use the most advanced manufacturing innovations available, reducing lead time and making us more responsive.



## Value.

Value is the combination of quality, efficacy, and a fair price. Datatronix supply superior products, affordably.

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“Our clients and business partners can safely depend on Datatronix® products because of our uncompromising focus on quality.”

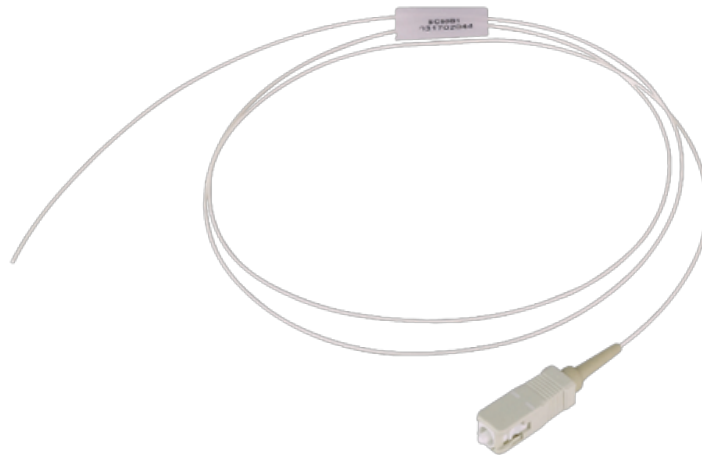
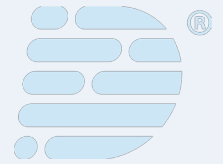
Fibre Optic Cables

# Pigtail Cables

Secondary Coated 900um Fibre

01

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## Secondary Coated 900um Fibre

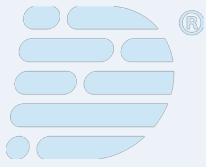
900µm secondary coated multimode (OM1/OM2/OM3/OM4) or singlemode (G.652.D) pigtail cable. It's available in standard or easy strip format and in 12 standard colours.

### Applications

- Pigtails
- Ideas for cable termination in patch panels, ODFs and wall boxes

### Features

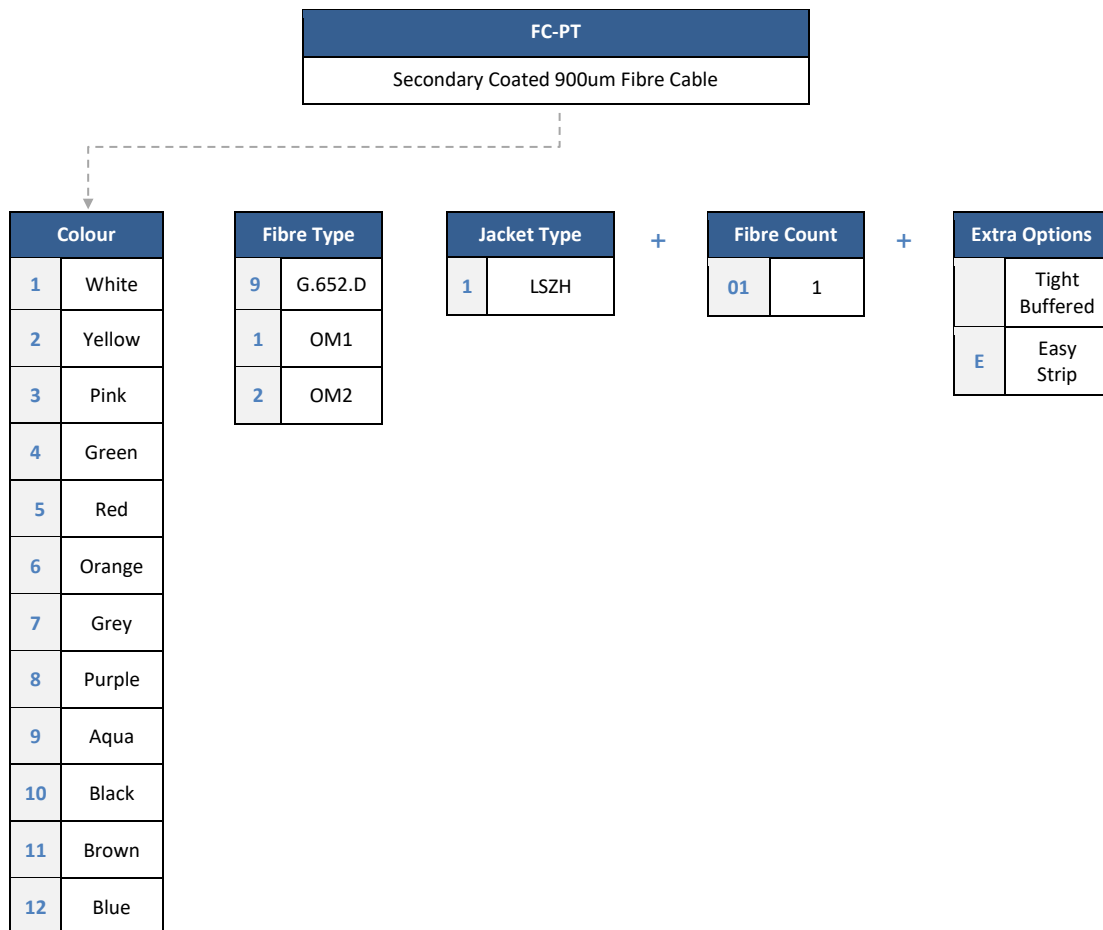
- 900µm secondary coated fibre
- Choice of buffering material and stripping options
- Available in various fibre types
- Available also in 12 standard colors with white as the standard colour



## Specifications

DESCRIPTION	1-CORE	
Outer Diameter	mm	0.9
Weight	kg/km	0.9
Max. Load (installation)	N	6
Max. Load (installed)	N	3
Min. bend radius (installation)	mm	30
Min. bend radius (installed)	mm	30
Temperature Range	°C	-20 ~+70

## Ordering Information



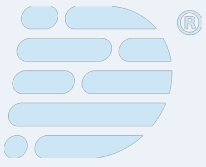
### Example:

FC-PT-191-01 – Secondary Coated 900um Tight Buffered Fibre Cable Singlemode LSZH White 1 Fibre

Fibre Optic Cables

# Patch Cord Cables

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## Round Duplex Fibre Optic Patch Cable

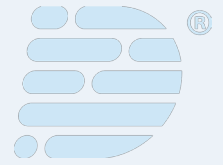
Round duplex 600µm or 900µm buffered fibre optic patch cable. It is constructed with 2 tight buffered fibres protected by aramid yarns and a Low Smoke Zero Halogen (LSZH) jacket. It is designed and manufactured for use in patch cords, pigtails and internal point to point links.

### Applications

- Patch cords
- Pigtails
- Internal inter-connections

### Features

- 600µm or 900µm tight buffered fibre
- Aramid yarn strength members
- Easy stripping
- LSZH jacket
- Available on various fibre types and cable diameters

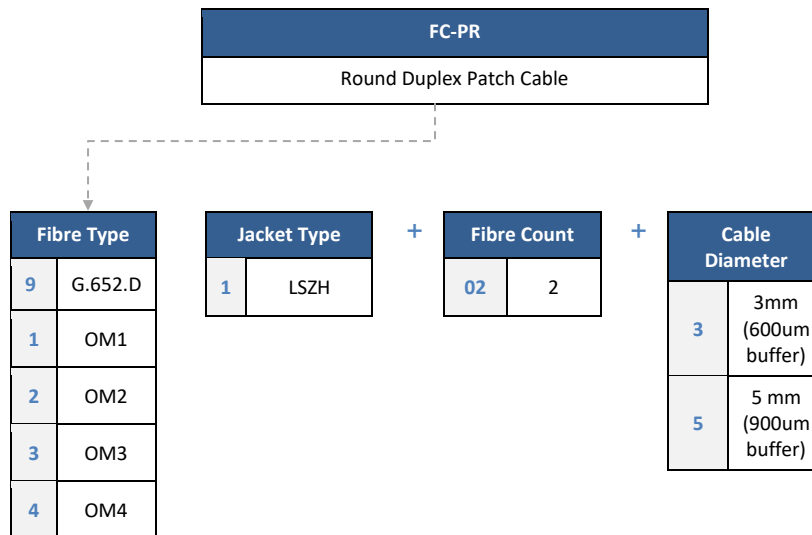


## Specifications

DESCRIPTION		2-CORE LSZH	2-CORE LSZH
Outer Diameter	mm	3	5
Weight	kg/km	8	20.9
Max. Load (installation)	N	190	160
Max. Load (installed)	N	80	80
Min. Bend Radius (installation)	Times diameter	20	20
Min. Bend Radius (installed)	Times diameter	10	10
Fire Performance		LSZH	LSZH
Operating Temperature	°C	-20~+60	-20~+60
Storage Temperature	°C	-20~+60	-20~+70
Installation Temperature	°C	-20~+60	-20~+60
Crush Resistance	N/100mm	1000	1000

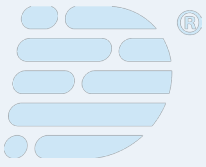
Other diameters are available upon request.

## Ordering Information

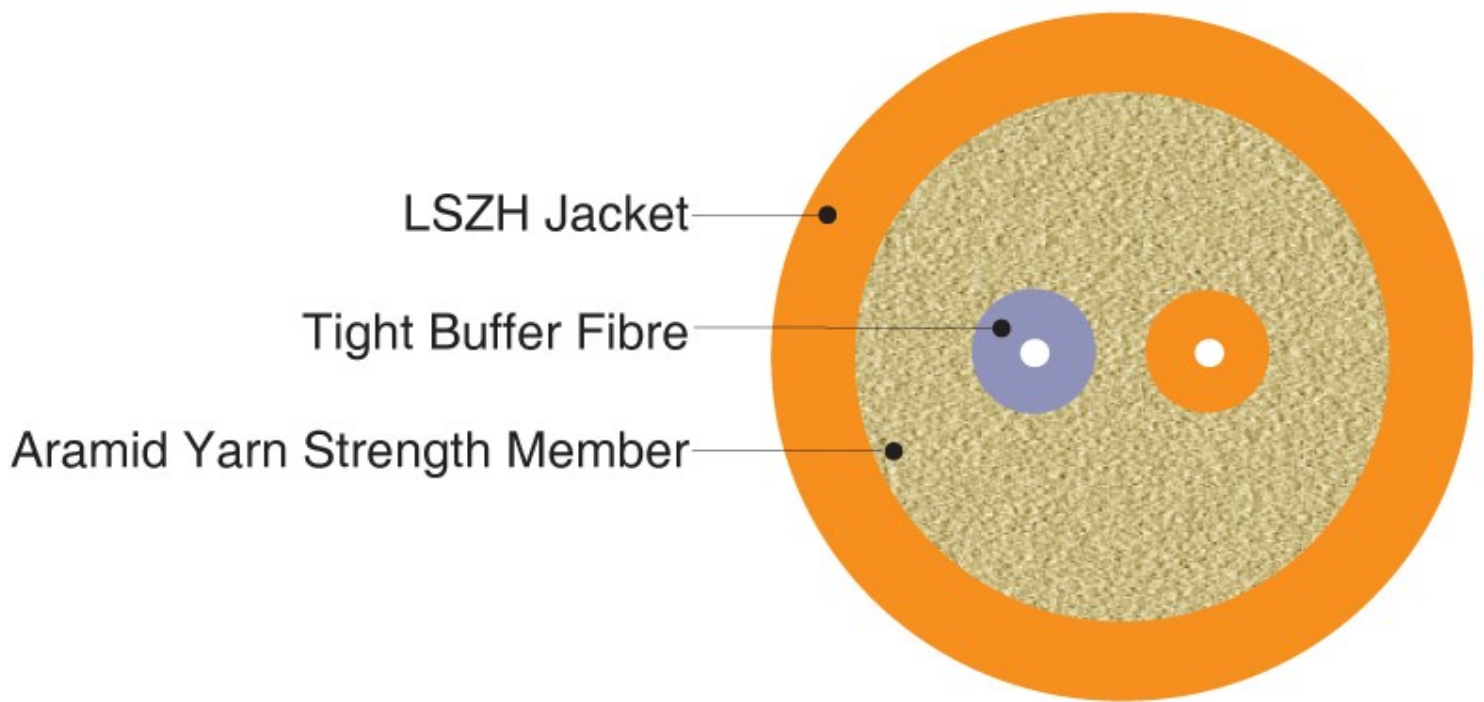


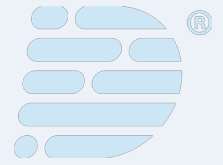
### Example:

FC-PR-91-02-3 – Round Duplex Patch Cable Singlemode LSZH Yellow 3 mm



## Technical Drawing





## Simplex Fibre Optic Patch Cable

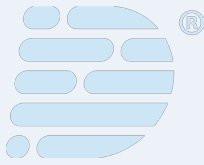
Simplex 600µm or 900µm buffered fibre optic patch cable. It is designed and manufactured for use in patch cords, pigtails and internal point to point links.

### Applications

- Patch cords
- Pigtails
- Internal inter-connections

### Features

- 600µm or 900µm tight buffered fibre
- Aramid yarn strength members
- Easy stripping
- LSZH jacket
- Available on various fibre types and cable diameters

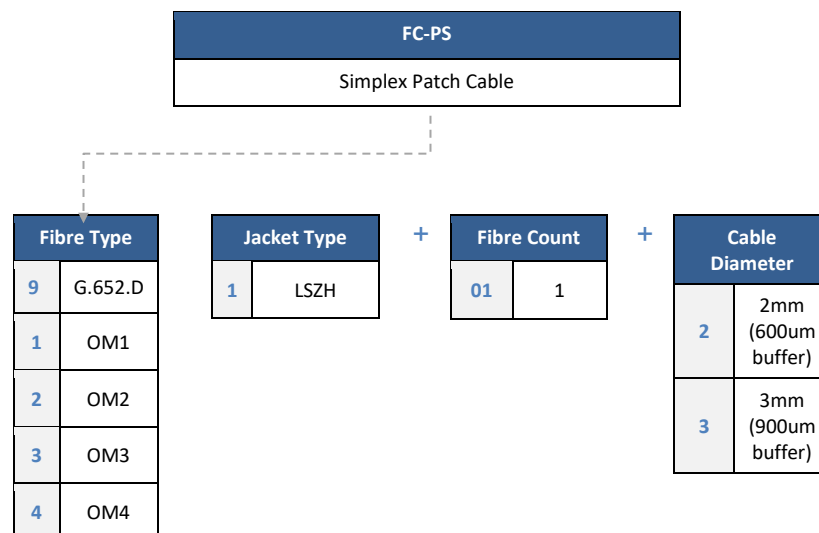


## Specifications

DESCRIPTION		1-CORE LSZH	1-CORE LSZH	1-CORE LSZH	1-CORE LSZH	1-CORE LSZH
Outer Diameter	mm	1.6	1.8	2	2.4	3
Weight	kg/km	2.9	3.2	3.5	5	6.8
Max. Load (installation)	N	70	80	80	100	125
Max. Load (installed)	N	35	40	40	50	60
Min. Bend Radius (installation)	Times diameter	20	20	20	20	20
Min. Bend Radius (installed)	Times diameter	10	10	10	10	10
Fire Performance		LSZH	LSZH	LSZH	LSZH	LSZH
Operating Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	500	500	500	500	500

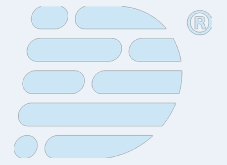
Other diameters are available upon request.

## Ordering Information

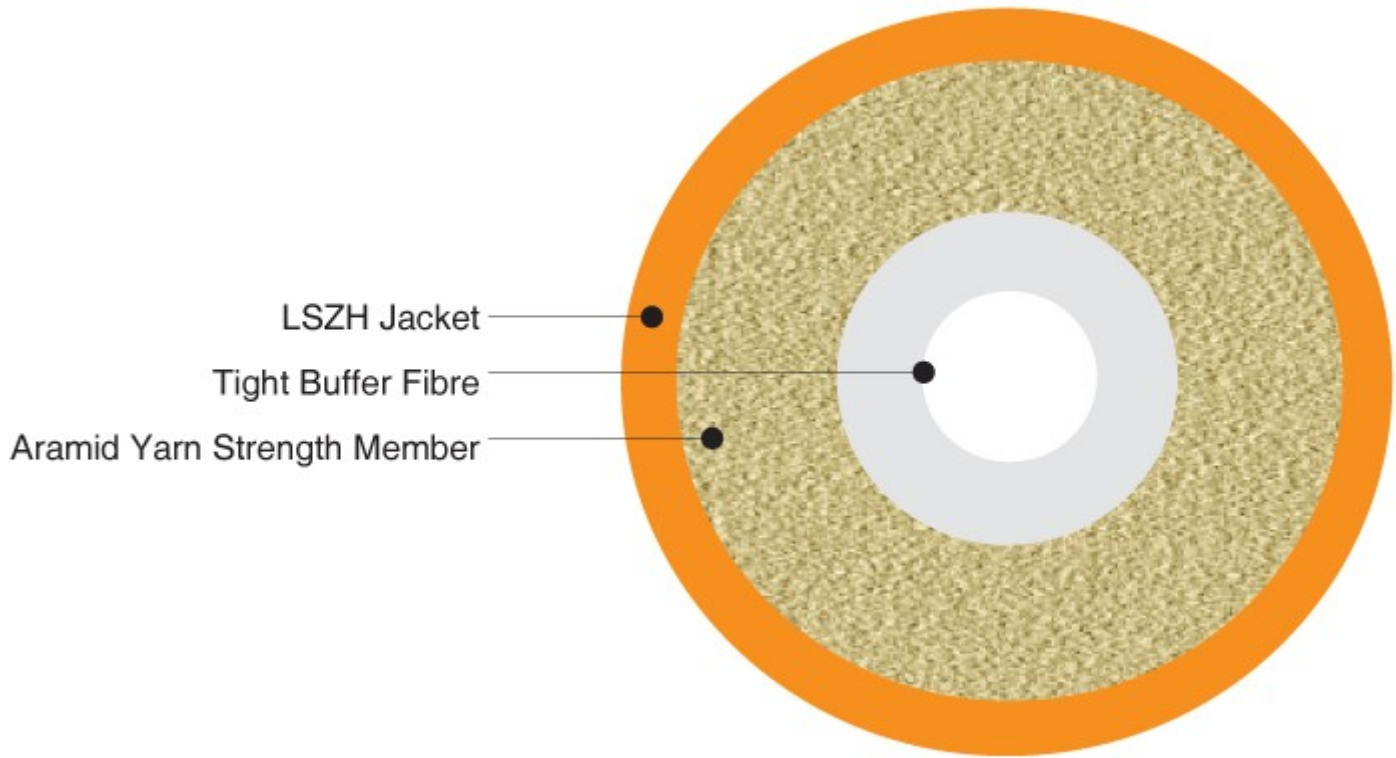


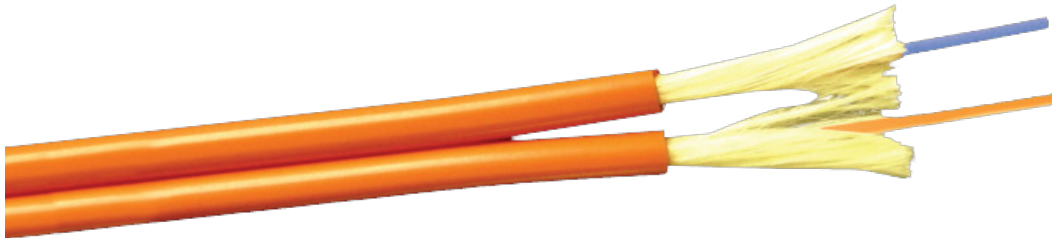
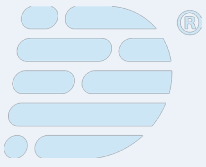
### Example:

FC-PS-91-01-2 – Simplex Patch Cable Singlemode LSZH Yellow 2mm



## Technical Drawing





## Zip Duplex Fibre Optic Patch Cable

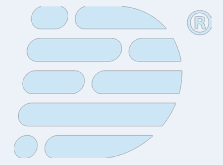
Zip Duplex 600µm or 900µm buffered fibre optic patch cable, constructed with two joined together simplex units. It is designed and manufactured for use in patch cords, pigtails and internal point to point links.

### Applications

- Patch cords
- Pigtails
- Internal inter-connections

### Features

- 600µm or 900µm tight buffered fibre
- Aramid yarn strength members
- Easy stripping
- LSZH jacket
- Available on various fibre types and cable diameters

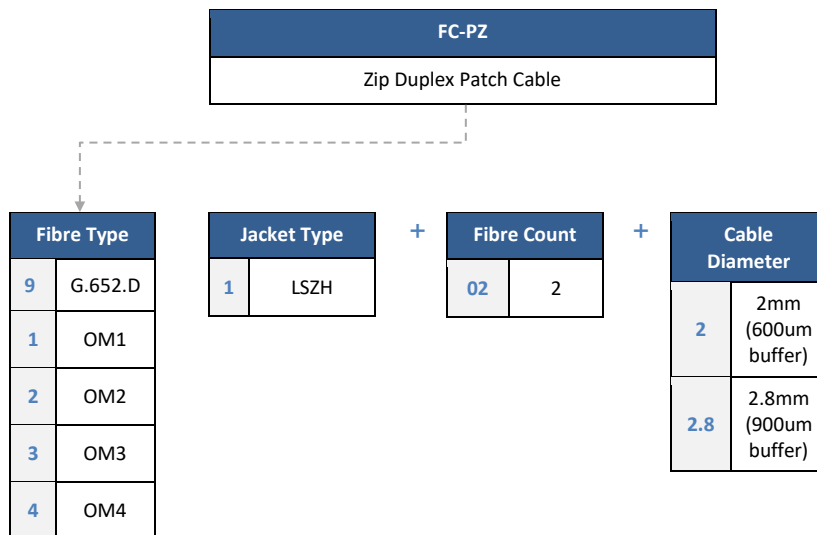


## Specifications

DESCRIPTION		2 CORE LSZH	2 CORE LSZH	2 CORE LSZH	2 CORE LSZH
<b>Outer Diameter</b>	mm	1.6*3.3	1.8*3.7	2.0*4.1	2.8*5.7
<b>Weight</b>	kg/km	5.7	6.7	8.2	13.2
<b>Max. Load (installation)</b>	N	160	160	200	300
<b>Max. Load (installed)</b>	N	80	80	100	160
<b>Min. Bend Radius (installation)</b>	Times diameter	20	20	20	20
<b>Min. Bend Radius (installed)</b>	Times diameter	10	10	10	10
<b>Fire Performance</b>		LSZH	LSZH	LSZH	LSZH
<b>Operating Temperature</b>	°C	-20~+60	-20~+60	-20~+60	-20~+60
<b>Storage Temperature</b>	°C	-20~+60	-20~+60	-20~+60	-20~+60
<b>Installation Temperature</b>	°C	-20~+60	-20~+60	-20~+60	-20~+60
<b>Crush Resistance</b>	N/100mm	1000	1000	1000	1000

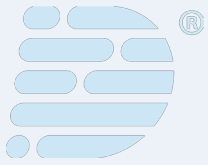
Other diameters are available upon request.

## Ordering Information

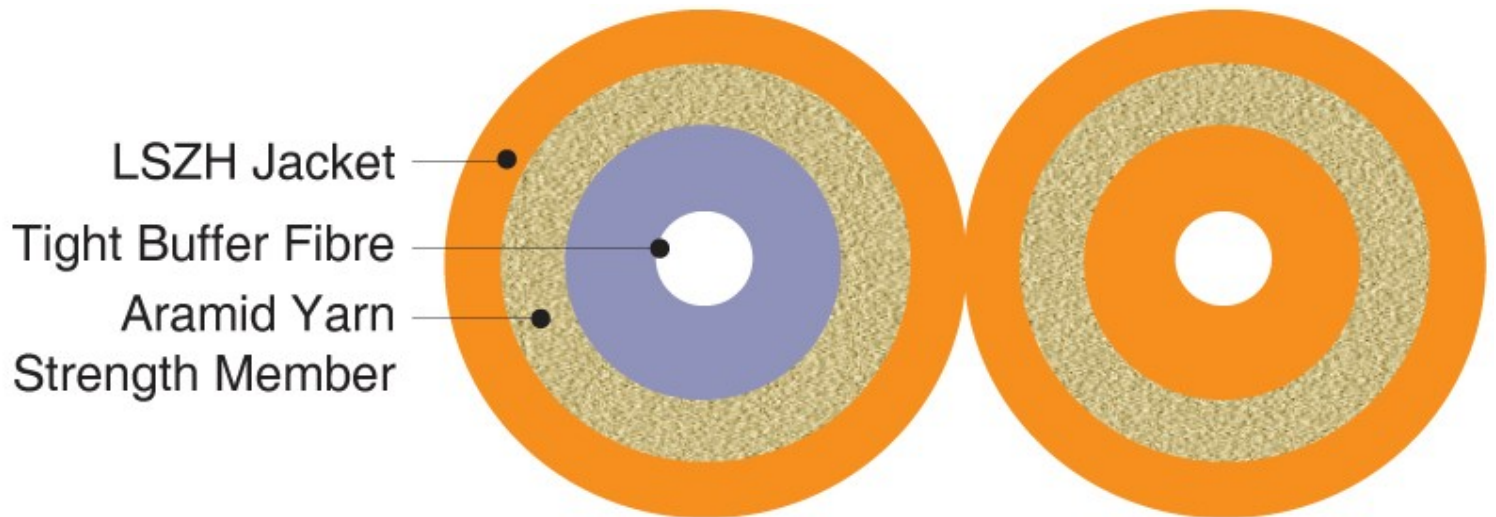


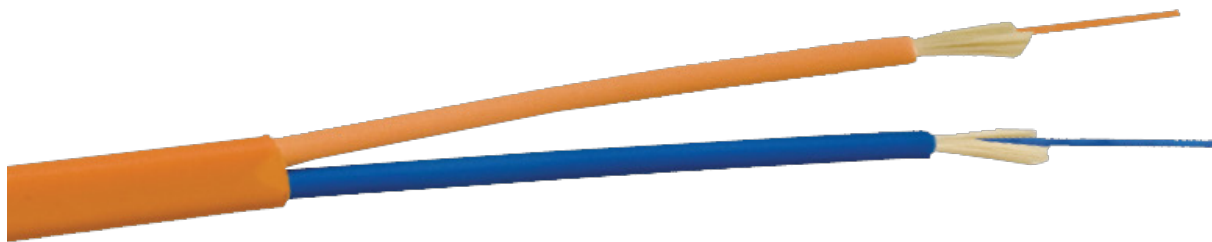
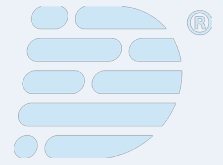
### Example:

**FC-PZ-91-02-2.8** – Zip Duplex Patch Cable Singlemode LSZH Yellow 2.8mm



## Technical Drawing





## Flat Duplex Fibre Optic Patch Cable

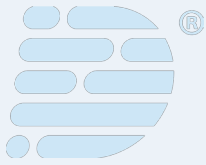
Flat duplex 900µm buffered fibre optic patch cable, constructed with two simplex units held together with a Low Smoke Zero Halogen (LSZH) jacket. It is designed and manufactured for use in patch cords, pigtails and internal point to point links.

### Applications

- Patch cords
- Pigtails
- Internal inter-connections

### Features

- 900µm buffered fibre
- Aramid yarn strength members
- Easy stripping
- LSZH jacket
- Available with various fibre types and cable diameters

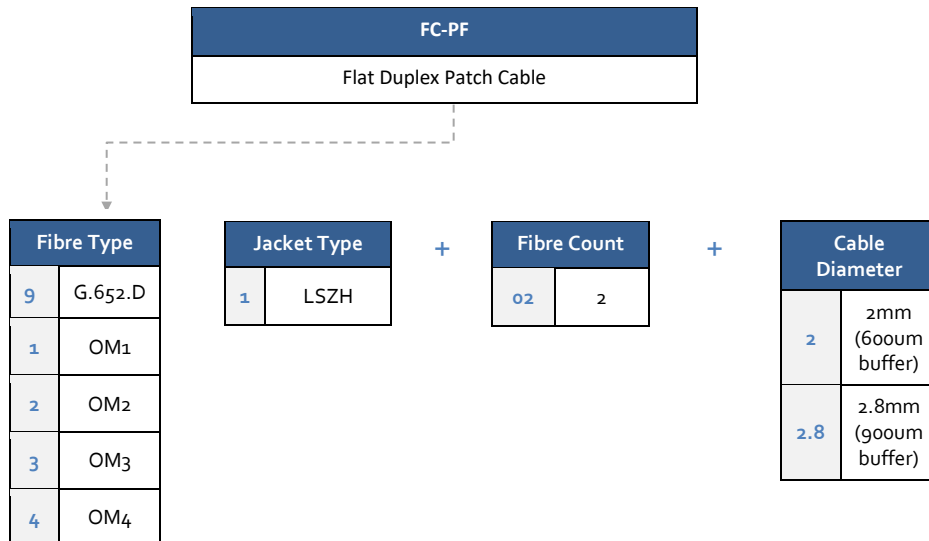


## Specifications

DESCRIPTION		2-CORE LSZH	2-CORE LSZH
Outer Diameter	mm	3.0 x 5.0	3.8 x 6.6
Weight	kg/km	11	24
Max. Load (installation)	N	250	250
Max. Load (installed)	N	125	125
Min. Bend Radius (installation)	Times diameter	20	20
Min. Bend Radius (installed)	Times diameter	10	10
Fire Performance		LSZH	LSZH
Operating Temperature	°C	-20~+60	-20~+60
Storage Temperature	°C	-20~+60	-20~+70
Installation Temperature	°C	-20~+60	-20~+60
Crush Resistance	N/100mm	1000	1000

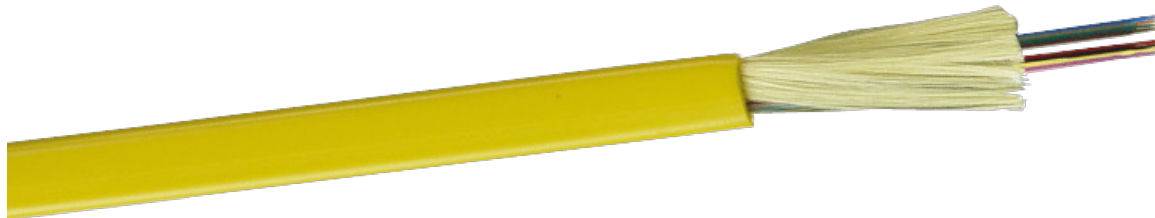
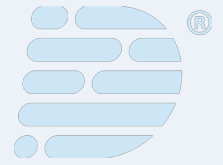
Other diameters are available upon request.

## Ordering Information



### Example:

FC-PF-91-02-2.8 – Flat Duplex Patch Cable Singlemode LSZH Yellow 2.8mm



## Flat Ribbon Fibre Optic Patch Cable

Flat ribbon fibre optic patch cable with 4 to 12 fibres in flat ribbon layout. It utilizes aramid yarn strength members and a Low Smoke Zero Halogen (LSZH) outer jacket.

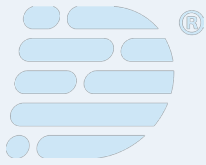
It is designed and manufactured for use in patch cords, pigtailed and internal point to point links.

### Applications

- Patch cords
- Pigtailed
- Internal inter-connections

### Features

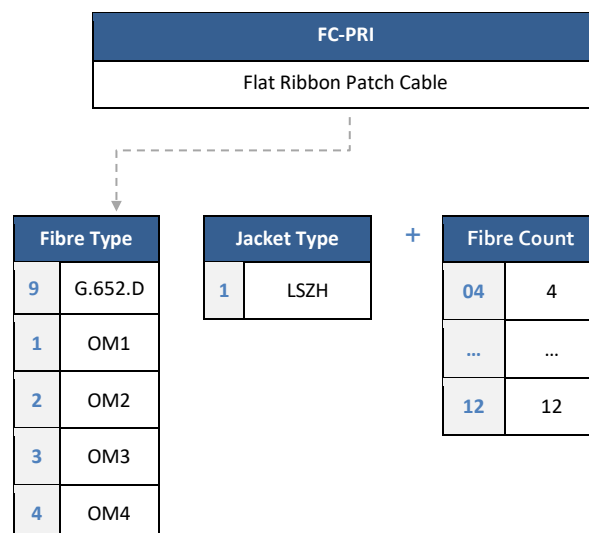
- Aramid yarn strength members
- Easy stripping
- LSZH jacket
- Available on various fibre types and cable diameters



## Specifications

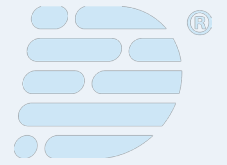
DESCRIPTION		4 CORE LSZH	6 CORE LSZH	8 CORE LSZH	12 CORE LSZH
Outer Diameter	mm	3.5*2.5	3.8*2.5	4.5*2.5	5.0*2.5
Weight	kg/km	14	15	17	19
Max. Load (installation)	N	200	200	200	200
Max. Load (installed)	N	80	80	80	80
Min. Bend Radius (installation)	Times	35	35	35	35
Min. Bend Radius (installed)	Times	25	25	25	25
Fire Performance		LSZH	LSZH	LSZH	LSZH
Operating Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temperature	°C	-20~+70	-20~+70	-20~+70	-20~+70
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	500	500	500	500

## Ordering Information

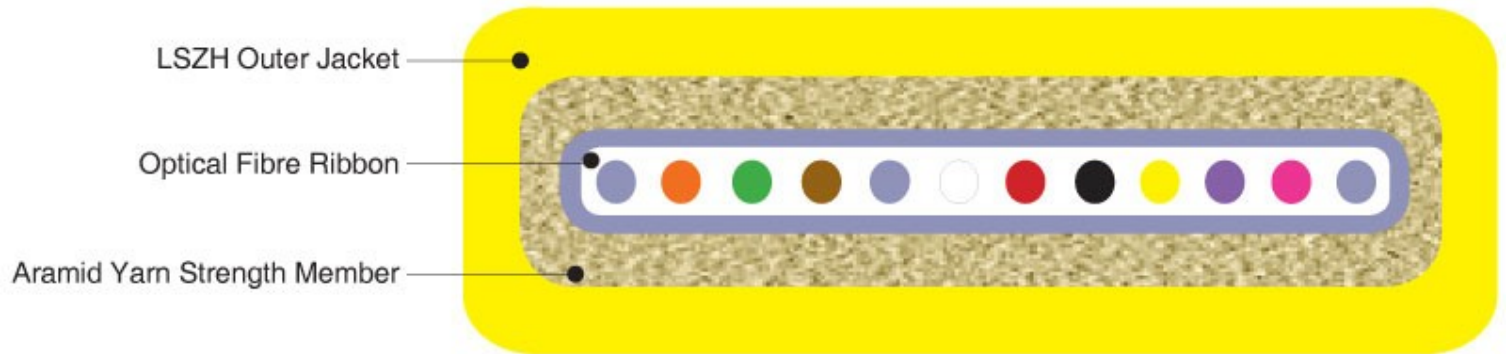


## Example:

FC-PRI-91-04 – Flat Ribbon Patch Cable Singlemode LSZH Yellow 4 Fibres

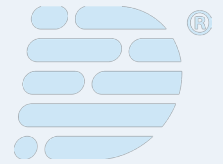


## Technical Drawing



# Loose Tube Cables

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Dual Sheath Single Loose Steel Tape Armoured (PSP)	49
Dual Sheath Multi Loose Steel Tape Armoured (PSP)	52



## Loose Tube Cables



### Single Loose Tube Fibre Optic Cable (2-24 Fibres)

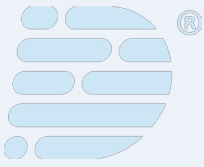
2 to 24 250µm fibre single gel filled loose tube cable with e-glass strength members and a Low Smoke Zero Halogen (LSZH) or Polyethelene (PE) outer jacket with ripcord. It comes with various singlemode (G.652.D) or multimode (OM1/OM2/OM3/OM4) fibre options.

#### Applications

- Indoor/outdoor duct applications
- Building interconnections in campus environments
- Environments where rodent resistance is required

#### Features

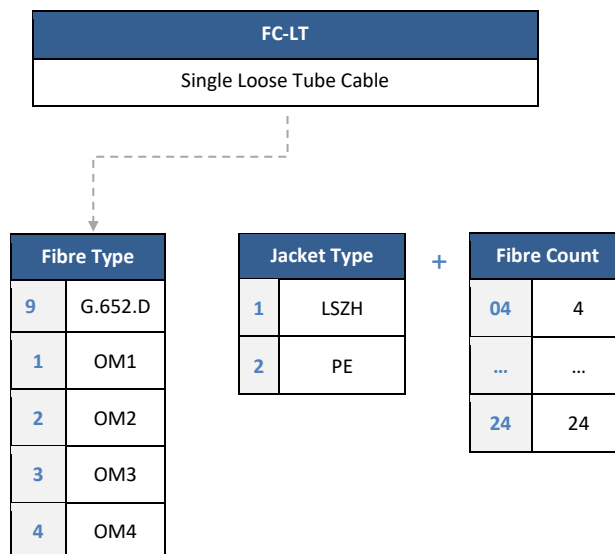
- Compact 250µm loose tube construction
- Rodent resistant using e-glass strength members
- Available with various fibre options
- Colour coded fibres
- Option for LSZH or PE outer jacket



## Specifications

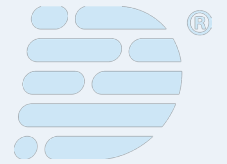
DESCRIPTION		2-12 CORE	14-24 CORE
Outer Diameter	mm	6.5 ±0.3	6.7 ±0.3
Weight	kg/km	40	47
Max. Load (installation)	N	1000	1000
Max. Load (installed)	N	500	500
Min. Bend Radius (installation)	Times diameter	20	20
Min. Bend Radius (installed)	Times diameter	10	10
Fire Performance		LSZH	LSZH
Operating Temperature	°C	-20~+60	-20~+60
Storage Temperature	°C	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60
Crush Resistance	N/100mm	1000	1000

## Ordering Information

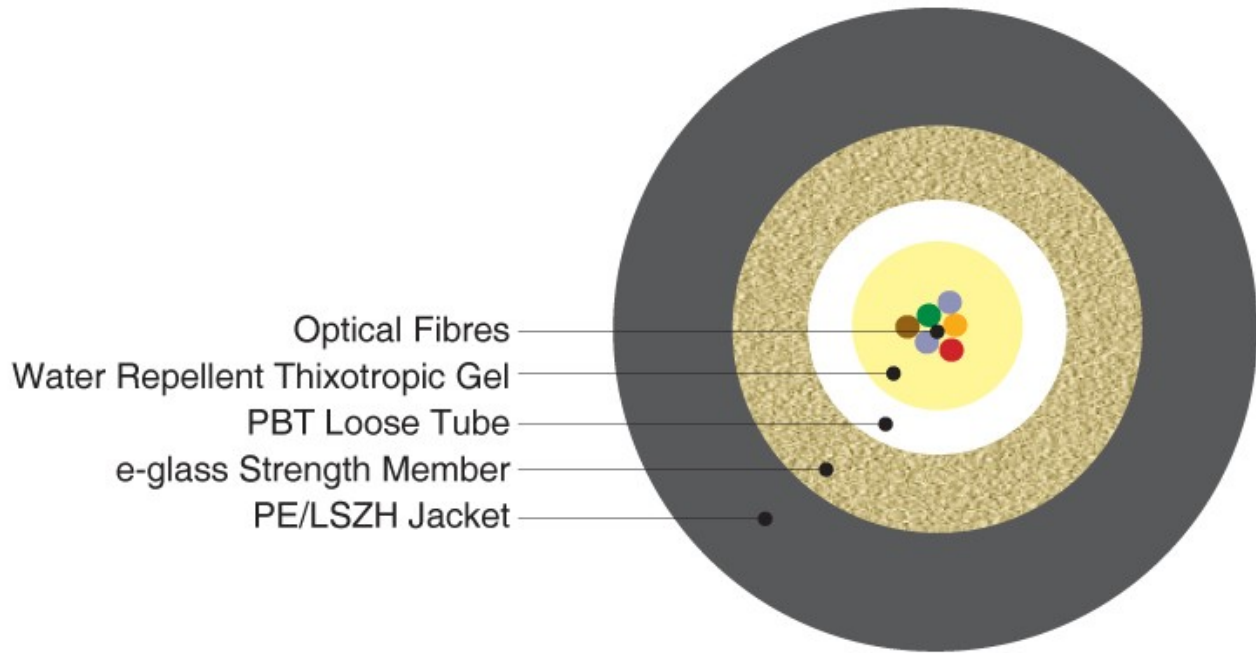


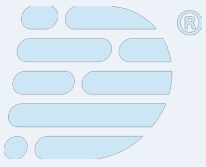
### Example:

FC-LT-91-24 – Single Loose Tube Cable Singlemode LSZH 24 Fibres



## Technical Drawing





## Multi Loose Tube Fibre Optic Cable

Up to 144, 5 to 12 elements 250µm fibre dry core multi loose tube cable with e-glass strength members and a Low Smoke Zero Halogen (LSZH) or High Density Polyethelene (HDPE) outer jacket with ripcord. The loose tubes are SZ stranded around a fibre reinforced plastic (FRP) central strength member with water swellable threads and tape.

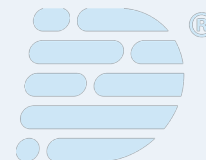
It comes with various singlemode (G.652.D, G.657.A1, G.657.A2) or multimode (OM1/OM2/OM3/OM4) fibre options.

### Applications

- Internal applications
- External duct applications
- Suitable for environments that require rodent resistance

### Features

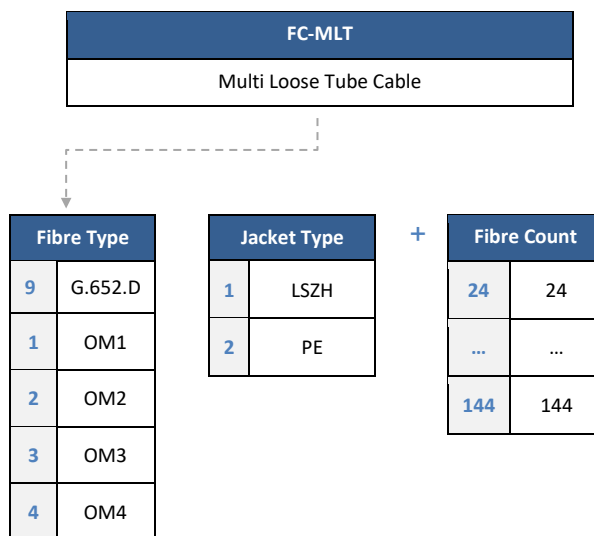
- 250µm loose tube
- Rodent resistant using e-glass strength members
- Available with various fibre options
- Colour coded fibres
- Option for LSZH or PE outer jacket



## Specifications

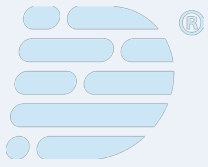
DESCRIPTION		24 to 60-CORE	72-CORE	96-CORE	120-CORE	144-CORE
Outer Diameter	mm	10.5 ±0.4	11.1 ±0.4	12.6 ±0.4	14.1 ±0.4	15.6 ±0.4
Weight	kg/km	90	97	121	148	178
Max. Load (installation)	N	1500	1500	1500	1500	1500
Max. Load (installed)	N	600	600	600	600	600
Min. Bend Radius (installation)	mm	210	220	250	280	310
Min. Bend Radius (installed)	mm	105	110	125	140	155
Operating Temperature	°C	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	2000	2000	2000	2000	2000

## Ordering Information

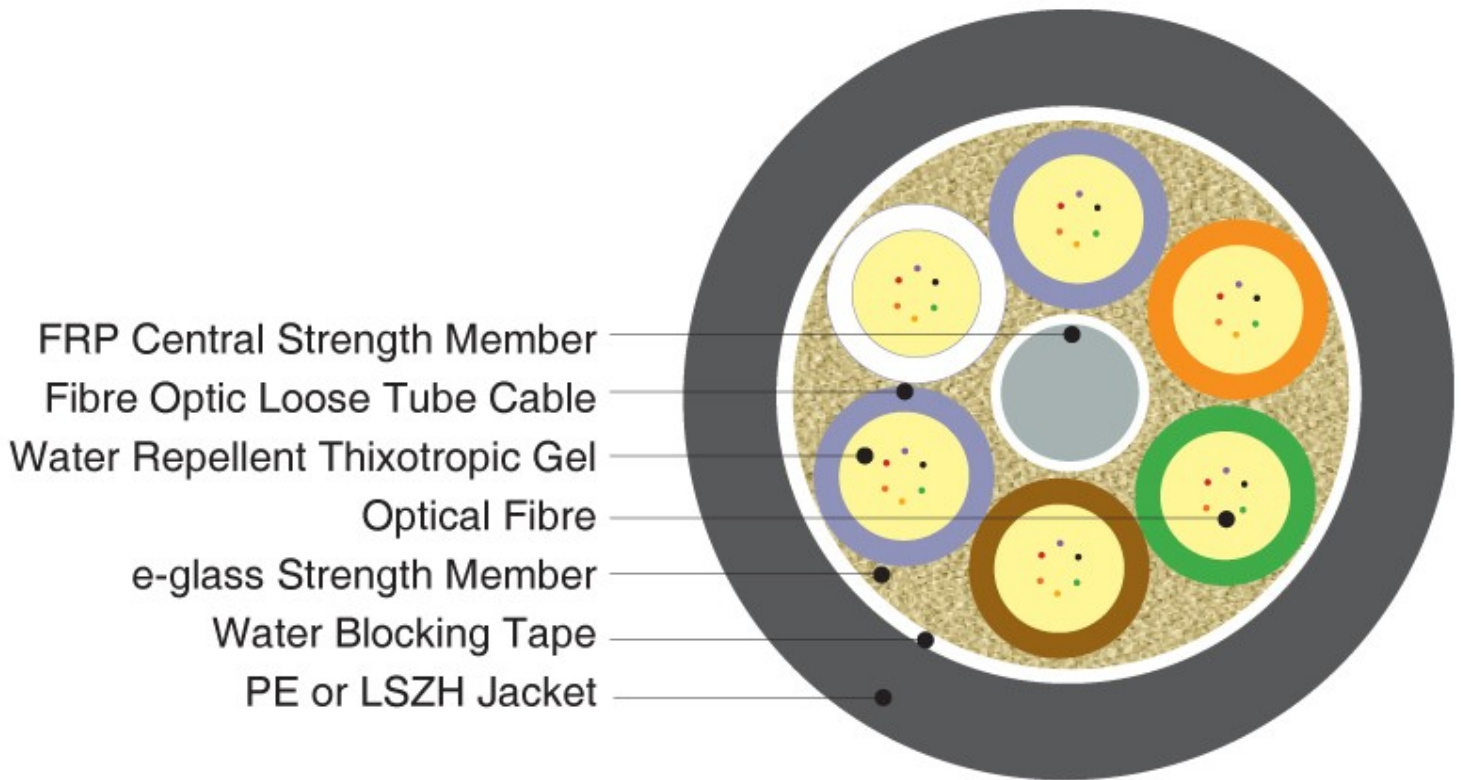


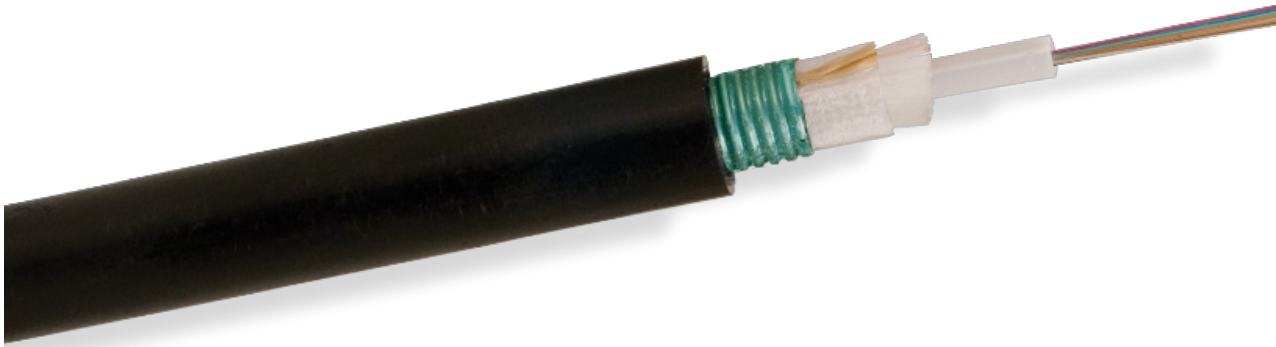
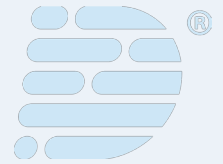
### Example:

**FC-MLT-91-24** – Multi Loose Tube Cable Singlemode LSZH 24 Fibres



## Technical Drawing





## Single Loose Tube Fire Resistant Cable

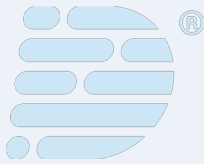
2 to 24 250µm fibre single gel filled loose tube steel tape armoured cable with e-glass non-metallic strength members and Low Smoke Zero Halogen (LSZH) jacket.

### Applications

- Internal applications
- External duct and direct burial applications
- Applications that require data transfer during the event of a fire

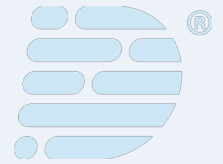
### Features

- Corrugated steel tape armoring for enhanced impact crush and rodent resistance
- Available with various fibre types
- Color coded fibres
- IEC 60331-25, EN 50200 - E120 and PH120 (with shocks) compliant for circuit integrity
- LSZH jacket

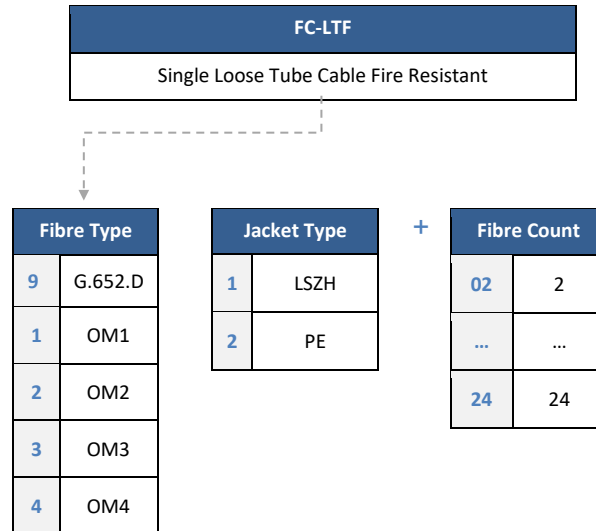


## Specifications

PAREMETER	UNIT	VALUE
Crush	N/100mm	2200
Strength Member		E-Glass
Storage Temperature	°C	-30 to +70
Installation Temperature	°C	-5 to +50
Operating Temperature	°C	-30 to +70
Nominal Weight	kg/km	103
Fibre count	N	2 to 24
Nominal outer diameter	mm	9.0 ± 0.3
Maximum tensile load (Short Term)	N	1500
Maximum tensile load (Long Term)	N	500
Minimum bend radius	mm	Installed 20D Loaded 20D
Drum length	km	2
Drum dimensions (Flange, Barrel, Width) 2km	mm (approx.)	F1000, B800, W685
Drum weight with cable 2km	kg (approx.)	302



## Ordering Information

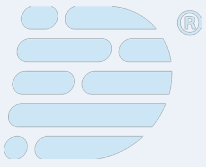


### Example:

**FC-LTF-91-24** – Single Loose Tube Cable Fire Resistant Singlemode LSZH 24 Fibres

## Technical Drawing





## Double Jacket Multi Loose Tube Fire Resistant Cable

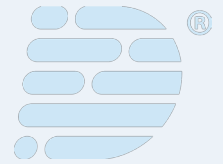
Up to 72 fibre, 6-element, dry core multi loose tube steel tape armoured cable. It consists of 250µm singlemode (G.652.D) or multimode (OM1/OM2/OM3/OM4) optical fibres in 12 fibre gel filled loose tubes SZ stranded around a Fibre Reinforced Plastic (FRP) central strength member, water swellable threads and tape. It features non-metallic aramid strength members, a ripcord and a double (inner/ outer) Low Smoke Zero Halogen (LSZH) jacket.

### Applications

- Internal applications
- External duct and direct burial applications
- Applications that require data transfer during the event of a fire

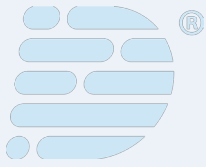
### Features

- 250 µm loose tube construction
- Corrugated steel tape armouring for high crush resistance and rodent protection
- Double LSZH jacket
- Available in various fibre types
- Colour coded fibres

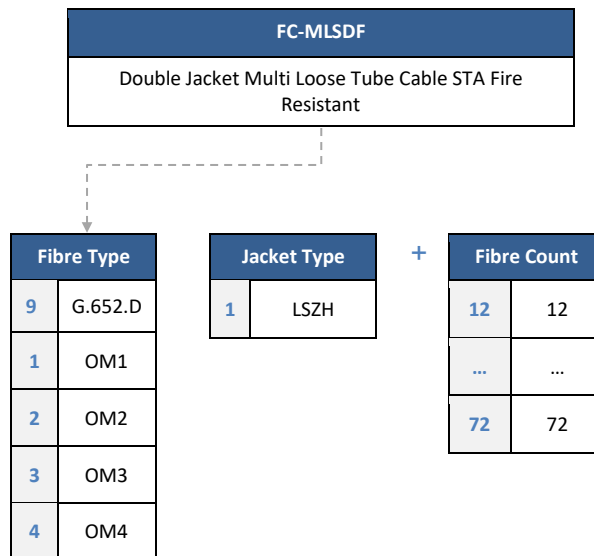


## Specifications

PAREMETER	UNIT	VALUE
Crush	N/100mm	5000
Strength Member		FRP/Aramid
Storage Temperature	°C	-30 to +70
Installation Temperature	°C	-5 to +50
Operating Temperature	°C	-30 to +70
Nominal Weight	kg/km	280
Fibre count	N	72
Nominal outer diameter	mm	15.2 ± 0.3
Maximum tensile load (Short Term)	N	7000
Maximum tensile load (Long Term)	N	3500
Minimum bend radius	mm	Installed 230 Loaded 305
Drum length	km	2
Solid wooden drum dimensions (Flange, Barrel, Width) 2km	mm (approx.)	F1400, B720, W900
Drum weight with cable 2km	kg (approx.)	680

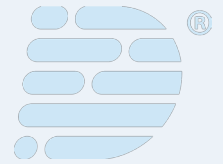


## Ordering Information

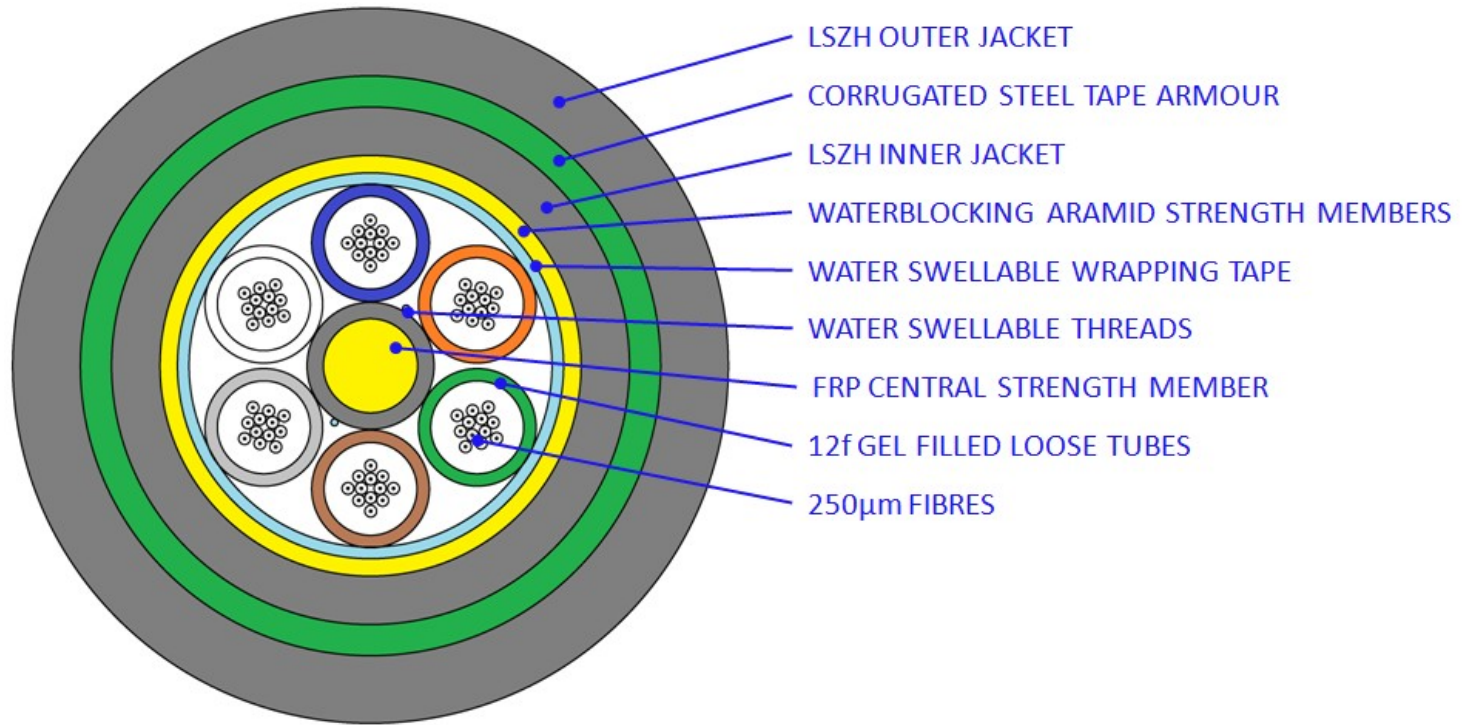


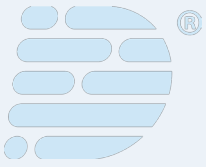
### Example:

**FC-MLSDF-91-24** – Double Jacket Multi Loose Tube STA Cable Fire Resistant Singlemode LSZH 24 Fibres



## Technical Drawing





## Single Loose Tube Steel Tape Armoured Cable With E-Glass

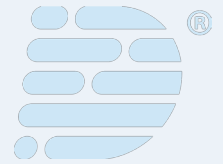
Single loose tube steel tape armoured cable with water blocking e-glass strength members. The single gel filled loose tube consists of 2 to 24 250µm singlemode (G.652.D) or multimode (OM1/OM2/OM3/OM4) fibres. The corrugated steel tape armoring makes it an ideal solution for application that require high crush resistance or anti-rodent protection. There is an option for Low Smoke Zero Halogen (LSZH) or High Density Polyethelene (HDPE) jacket.

### Applications

- Internal/External FTTH applications Suitable for internal applications
- Suitable for external duct and direct burial applications
- Suitable for environments where impact protection is required
- Suitable for intra building links in campus environments

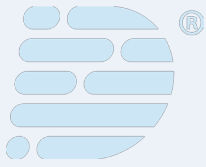
### Features

- Flame retardant LSZH jacket for enhanced fire performance or HDPE jacket for environmental protection and water permeation resistance
- CST armoring for enhanced impact, crush and rodent resistance
- Choice of fibre types
- Color coded fibres
- Compact 250 µm loose tube construction

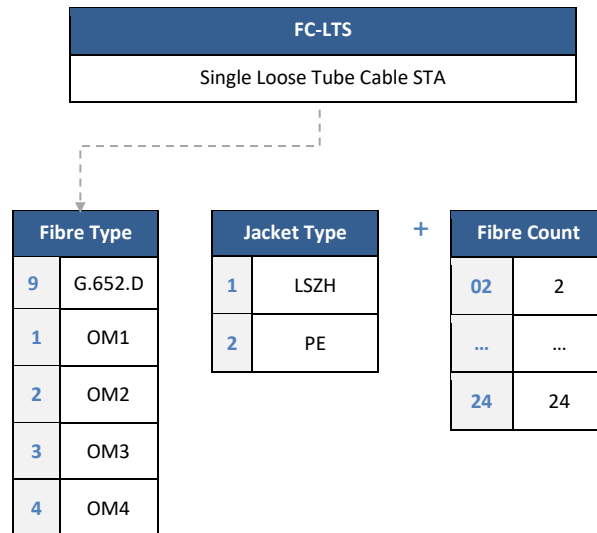


## Specifications

PAREMETER	UNIT	VALUE
Crush	N/100mm	2000
Strength Member		E-Glass
Storage Temperature	°C	-20 to +60
Installation Temperature	°C	-20 to +60
Operating Temperature	°C	-20 to +60
Nominal Weight 2f to 12 f	kg/km	LSZH 95 PE 73
Nominal Weight 14f to 24f	kg/km	LSZH 110 PE 86
Fibre count	N	2, 4, 6, 8, 12, 16 & 24
Nominal outer diameter 2f to 12f	mm	8.5 ± 0.3
Nominal outer diameter 14f to 24f	mm	9.2 ± 0.3
Maximum tensile load (Short Term)	N	1000
Maximum tensile load (Long Term)	N	500
Minimum bend radius	mm	Installed 10D
Minimum bend radius	mm	Loaded 20D
Drum length	km	2 or 4
Plywood drum dimensions (Flange, Barrel, Width) 4km 2f to 12f	mm (approx.)	F1000, B510, W690
Drum weight with cable 4km 2f to 12f	kg (approx.)	LSZH 398 HDPE 310
Plywood drum dimensions (Flange, Barrel, Width) 4km 14f to 24f	mm (approx.)	F1100, B500, W690
Drum weight with cable 4km 14f to 24f	kg (approx.)	LSZH 461 HDPE 365

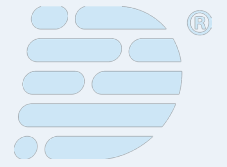


## Ordering Information

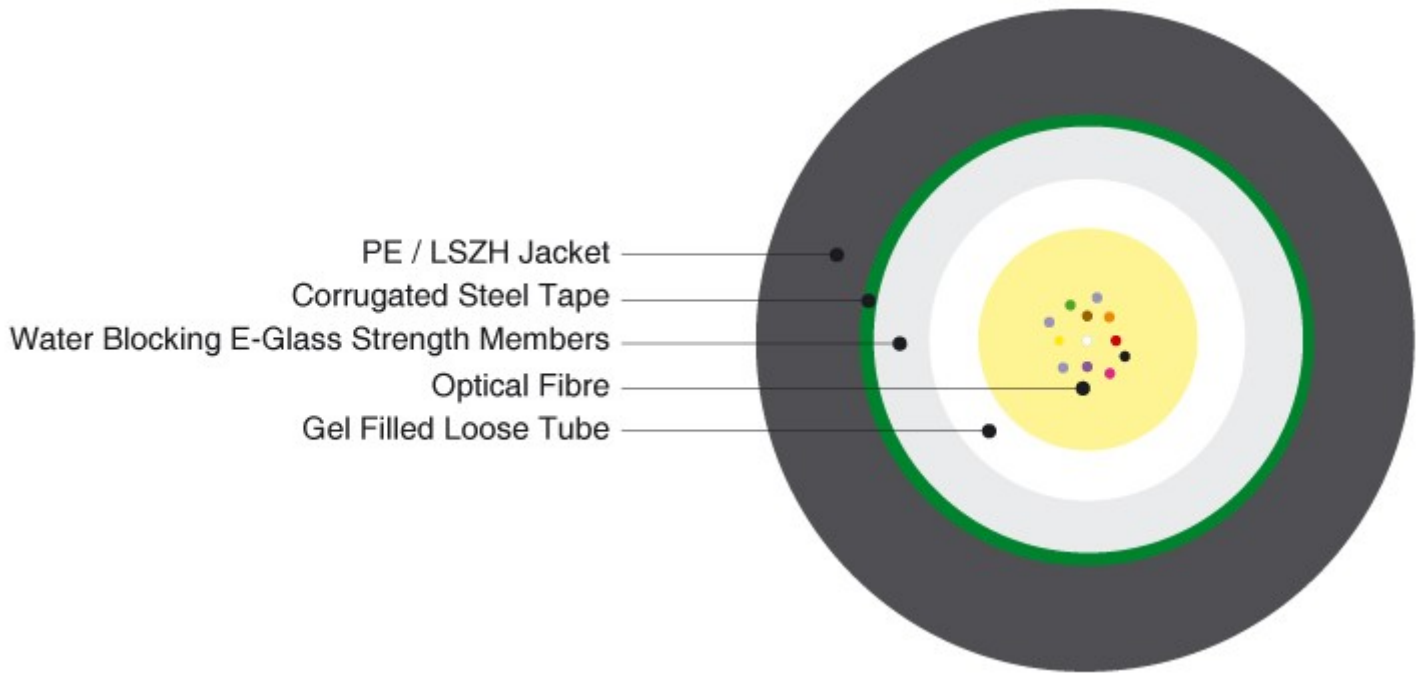


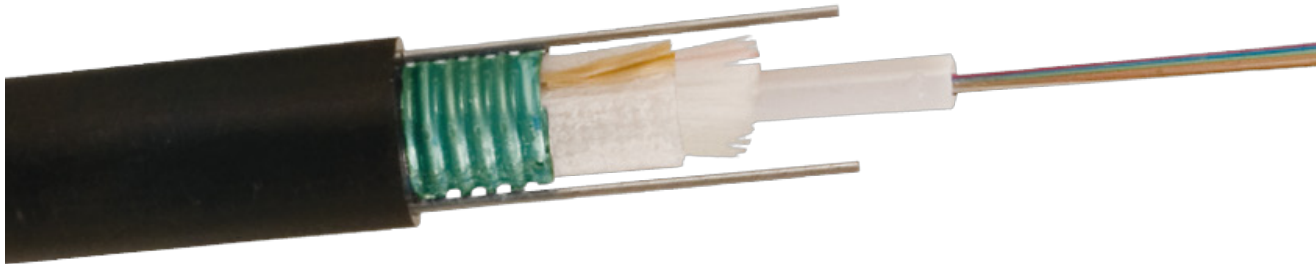
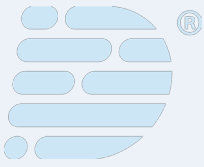
### Example:

**FC-LTS-91-24** – Single Loose Tube Cable STA Singlemode LSZH 24 Fibres



## Technical Drawing





## Single Loose Tube Steel Tape Armoured Cable with Steel Wires

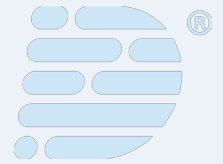
Single loose tube metallic armoured cable with steel wire strength members. The gel filled single loose tube consists of 2 to 12 250µm singlemode (G.652.D) or multimode (OM1/OM2/OM3/OM4) fibres and it is protected by a water swellable tape. There is an option for Low Smoke Zero Halogen (LSZH) or Polyethelene (PE) jacket.

### Applications

- Internal applications
- External duct applications
- Applications that require impact protection
- Intra building links in campus environments

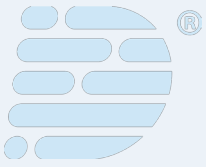
### Features

- 250 µm loose tube construction
- Steel tape armouring and steel wire strength members for enhanced crush resistance
- Option for LSZH or PE jacket
- Available with various fibre types
- Choice of fibre types
- Colour coded fibres

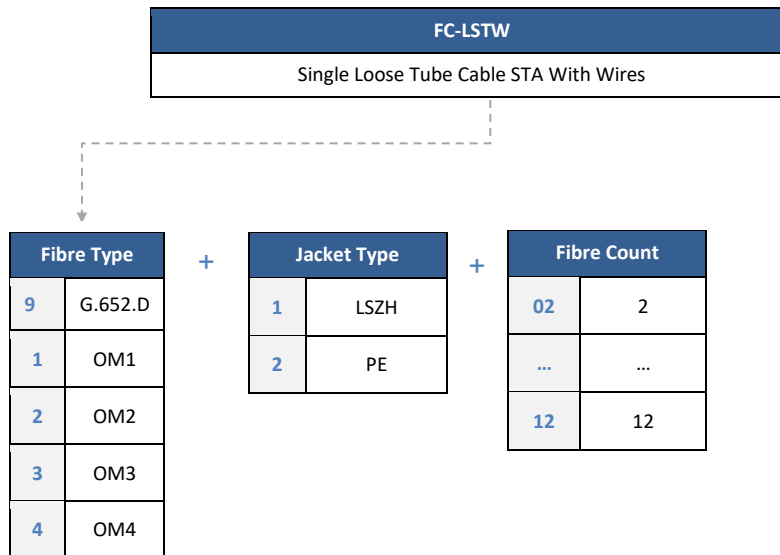


## Specifications

PAREMETER	UNIT	VALUE
Crush	N/100mm	2000
Strength Member		Steel
Storage Temperature	°C	-20 to +60
Installation Temperature	°C	-20 to +60
Operating Temperature	°C	-20 to +60
Nominal Weight	kg/km	LSZH 150 PE 106
Fibre count	N	2, 4, 6, 8 & 12
Nominal outer diameter	mm	10.0 ± 0.3
Maximum tensile load (Short Term)	N	1200
Maximum tensile load (Long Term)	N	600
Minimum bend radius	mm	Installed 100
Minimum bend radius	mm	Loaded 200
Drum length	km	4
Plywood drum dimensions (Flange, Barrel, Width)	mm (approx.)	F1200, B560, W690
Drum weight with cable	kg (approx.)	LSZH 676 PE 451

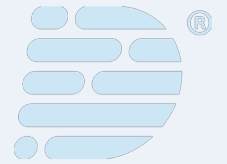


## Ordering Information

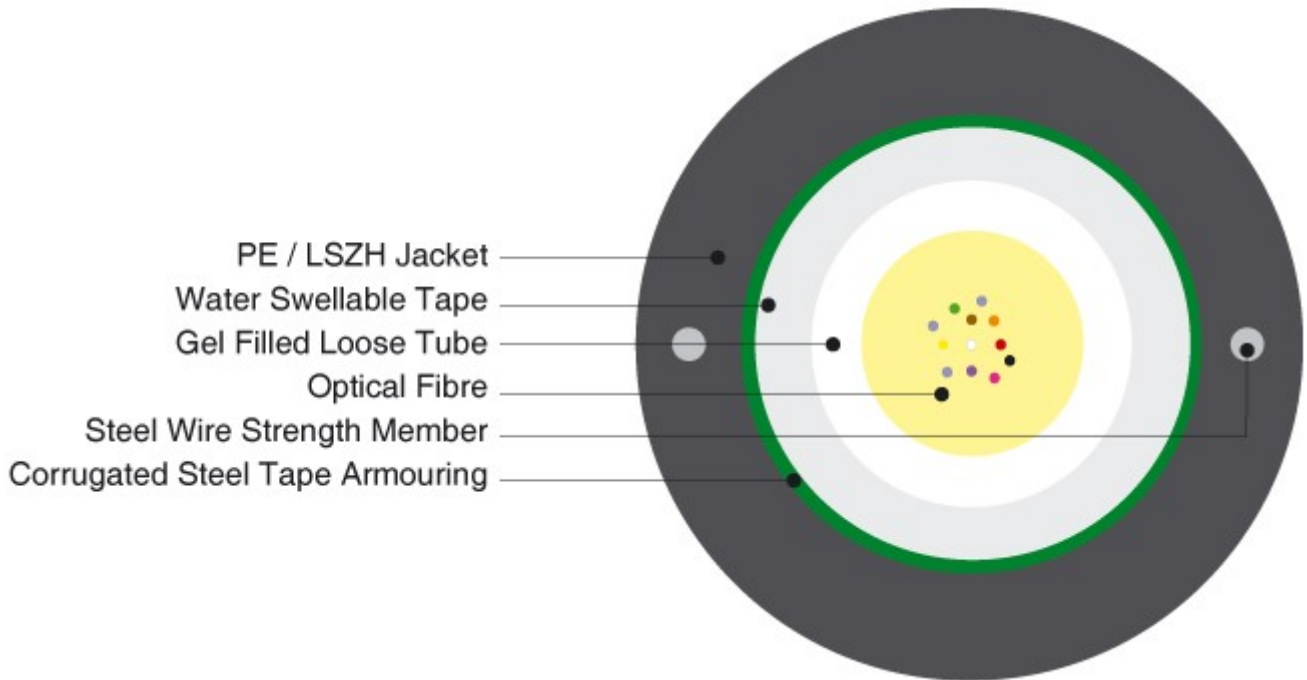


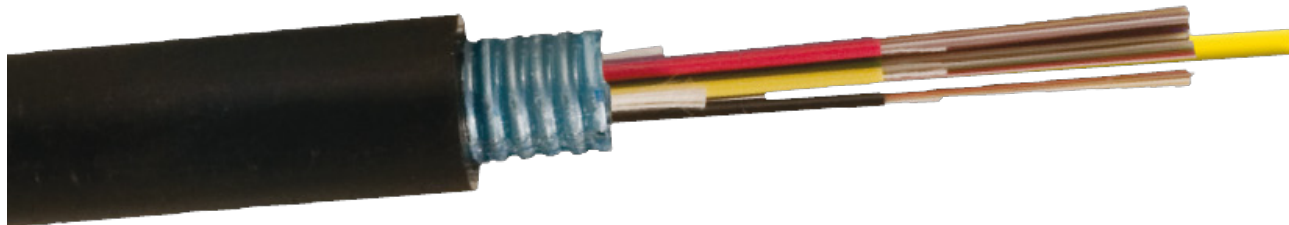
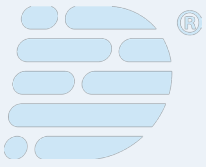
### Example:

**FC-LSTW-92-12** – Single Loose Tube Cable STA with Steel Wires Singlemode PE 12 Fibres



## Technical Drawing





## Multi Loose Tube CST Fibre Cable

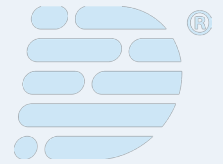
Multi loose tube cable with corrugated steel tape armouring. It consists of up to 12 elements and up to 144 250µm fibres in 12 fibre gel filled loose tubes around an FRP strength member with water blocking threads and tape. It includes water blocking e-glass strength members and a ripcord. There are two options for the outer jacket: High Density Polyethelene (HDPE) for outdoor and Low Smoke Zero Halogen (LSZH) for indoor applications.

### Applications

- External & aerial applications

### Features

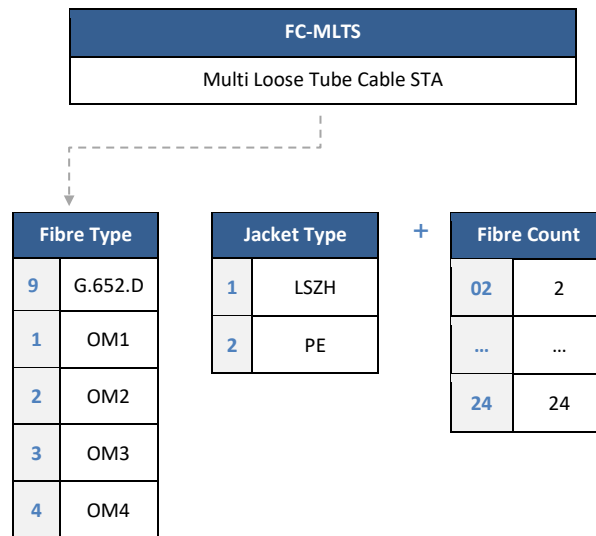
- High crush resistance
- Water resistance
- Available with various fibre types
- HDPE jacket for outdoor use or LSZH jacket for indoor use
- Colour coded fibres



## Specifications

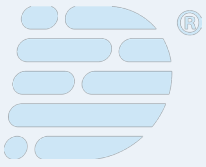
DESCRIPTION		24 TO 60-CORE	72-CORE	96-CORE	120-CORE	144-CORE
Outer Diameter	mm	12.0 ±0.4	12.6 ±0.4	14.1 ±0.4	15.6 ±0.4	17.1 ±0.4
Weight	kg/km	166	173	207	243	284
Max. Load (installation)	N	1500	1500	1500	1500	1500
Max. Load (installed)	N	600	600	600	600	600
Min. Bend Radius (installation)	mm	240	252	280	320	340
Min. Bend Radius (installed)	mm	120	126	140	160	170
Operating Temperature	°C	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	3000	3000	3000	3000	3000

## Ordering Information

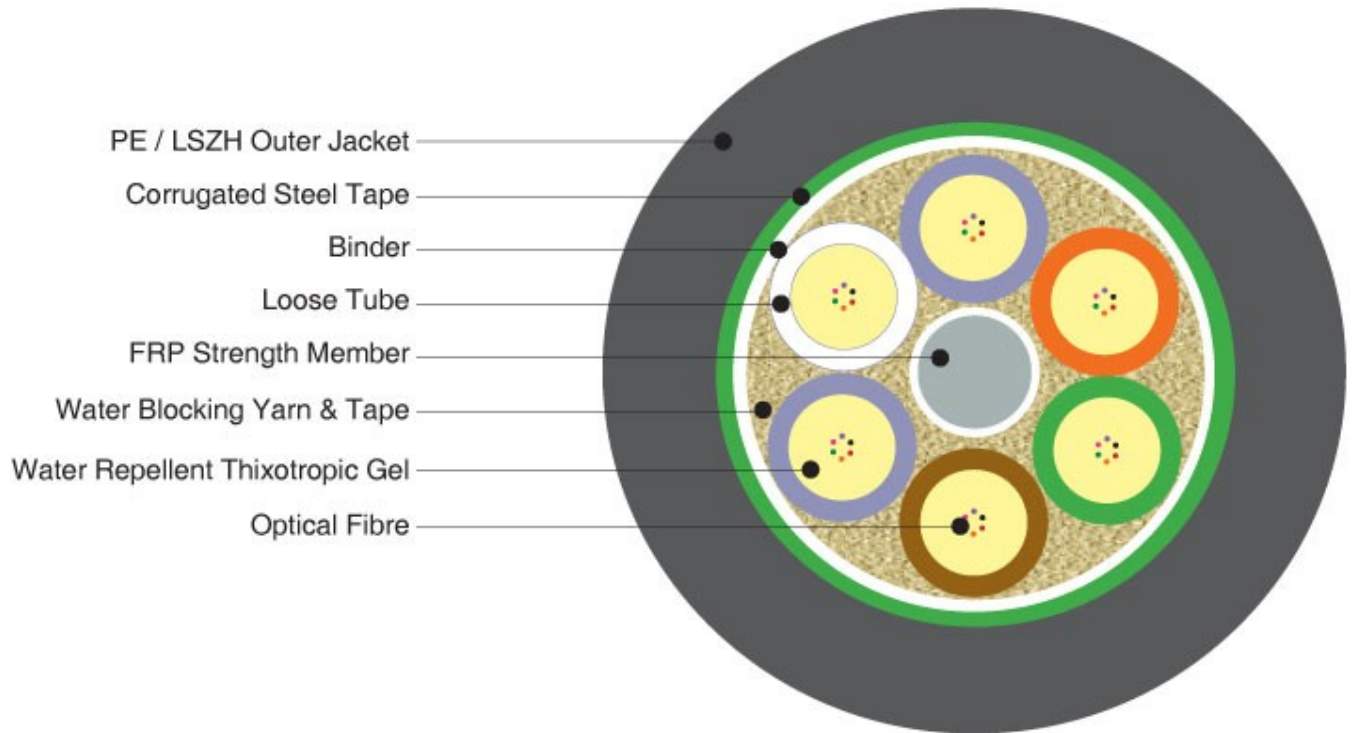


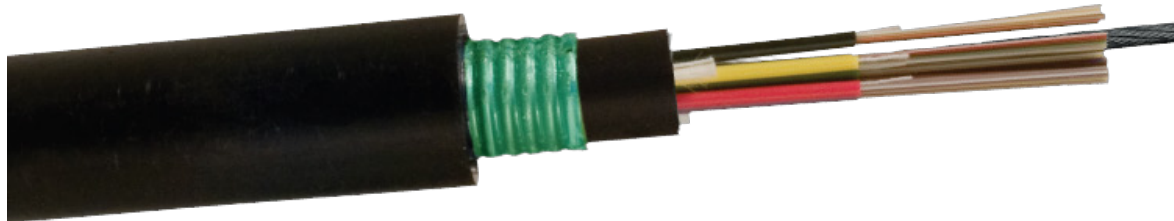
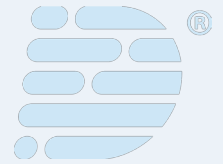
### Example:

FC-MLTS-91-24 – Multi Loose Tube Cable STA Singlemode LSZH 24 Fibres



## Technical Drawing





## Multi Loose Tube Double Jacket Cable (24-144 Fibres)

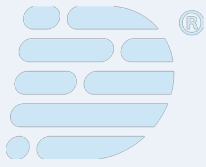
24 to 144 fibre, up to 12 elements, multi loose tube steel tape armoured cable. It consists of 250µm singlemode (G.652.D) or multimode (OM1/OM2/OM3/OM4) optical fibres in 12 fibre gel filled loose tubes SZ stranded around a Fibre Reinforced Plastic (FRP) central strength member, water swellable threads and tape. It features non-metallic aramid strength members, a ripcord and a double (inner/outer) PE/HDPE jacket.

### Applications

- External direct burial installations
- Applications that require water protection

### Features

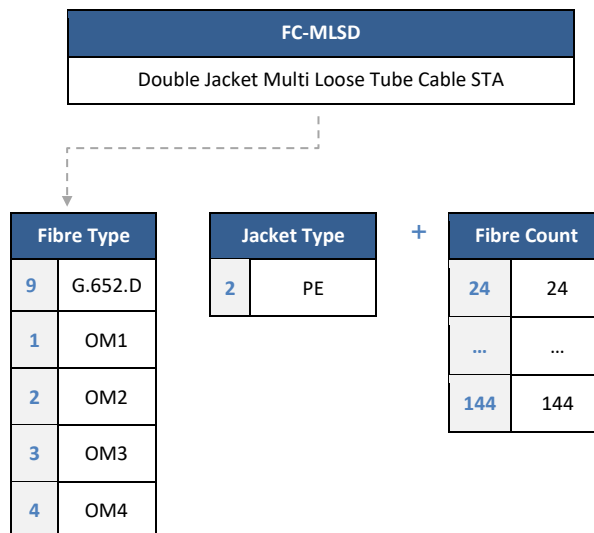
- 250 µm loose tube construction
- Corrugated steel tape armoring for high crush resistance
- Double PE jacket
- Available in various fibre types
- Colour coded fibres



## Specifications

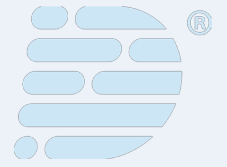
DESCRIPTION		24 to 60-CORE	72-CORE	96-CORE	120-CORE	144-CORE
Outer Diameter	mm	14.0 ±0.5	14.6 ±0.5	16.1 ±0.5	17.6 ±0.5	19.1 ±0.5
Weight	kg/km	210	219	257	298	343
Max. Load (installation)	N	1500	1500	1500	1500	1500
Max. Load (installed)	N	600	600	600	600	600
Min. Bend Radius (installation)	mm	280	290	320	350	380
Min. Bend Radius (installed)	mm	140	145	160	175	190
Operating Temperature	°C	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	4000	4000	4000	4000	4000

## Ordering Information

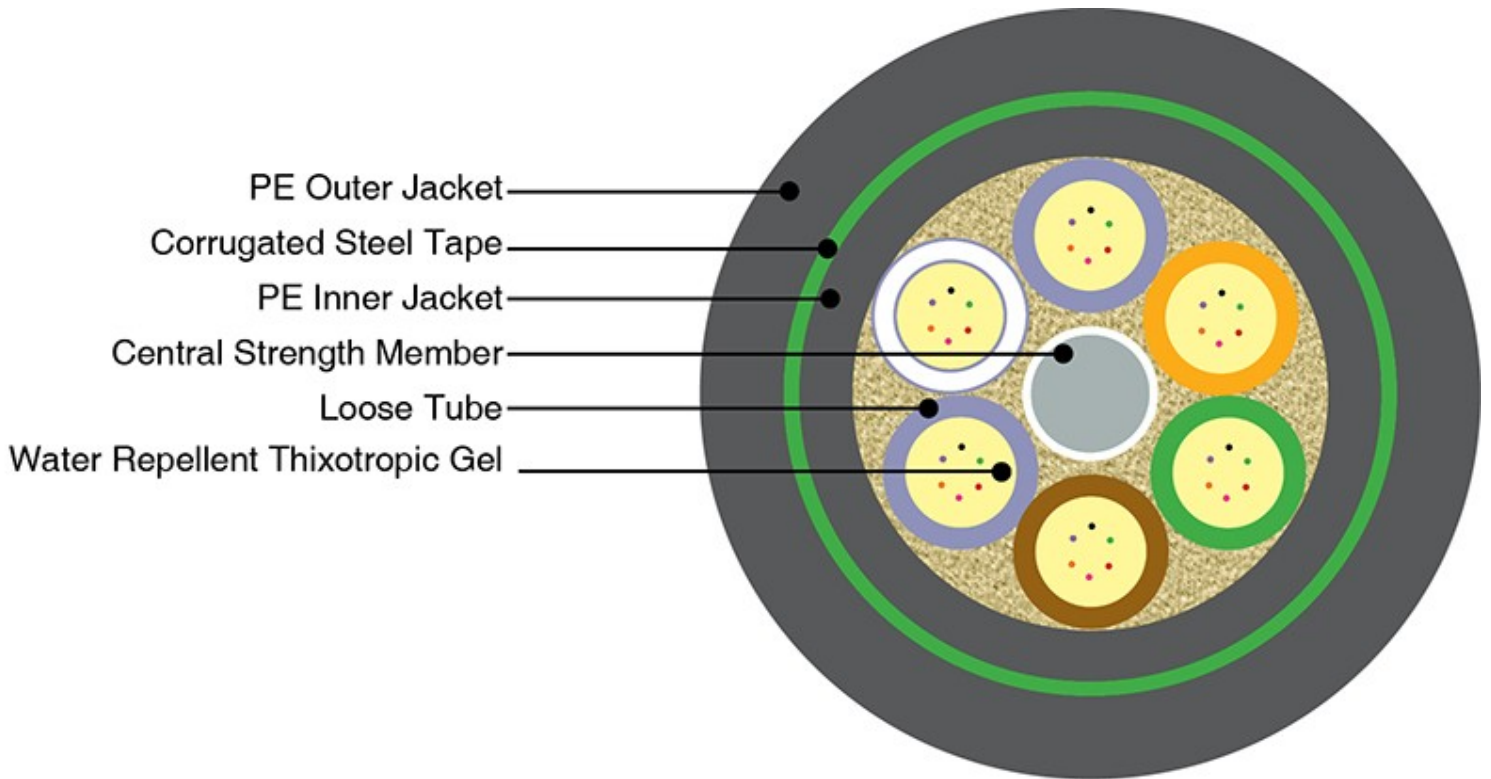


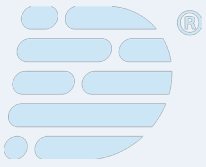
### Example:

FC-MLSD-92-24 – Double Jacket Multi Loose Tube Cable STA Singlemode PE 24 Fibres



## Technical Drawing





### Multi Loose Tube Double Jacket Cable (PKP)

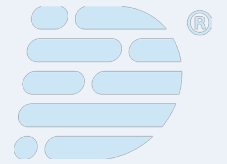
Up to 144 250µm fibre Multi loose tube Double Jacket PKP optical cable. It consists of 5 to 12 12-fibre gel filled loose tubes SZ stranded around a Fibre Reinforced Plastic (FRP) central strength member with water swellable threads and tape. It comes with various singlemode (G.652.D) or multimode (OM1/OM2/OM3/OM4) fibre options. It has an inner PE jacket with a ripcord, non-metallic e-glass strength members and an outer HDPE jacket.

#### Applications

- External duct applications
- Applications that require high impact and crush resistance
- Applications that require environmental resistance

#### Features

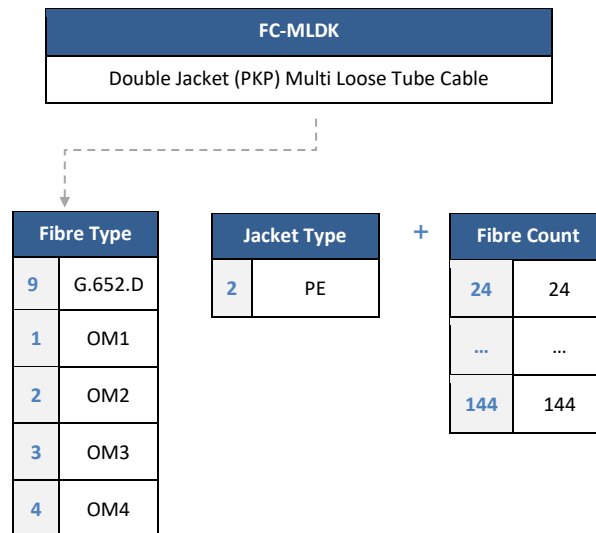
- 250 µm loose tube
- Double PE jacket for environmental protection and water resistance
- Available with various fibre types
- Colour coded fibres



## Specifications

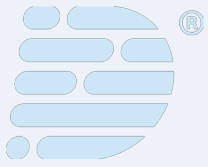
DESCRIPTION		4-CORE PE	8-CORE PE	12-CORE PE	16-CORE PE	24-CORE PE	48-CORE PE	72-CORE PE	96-CORE PE	144-CORE PE
Outer Diameter	mm	12.5 ±0.5	12.5 ±0.5	12.5 ±0.5	12.5 ±0.5	12.5 ±0.5	12.5 ±0.5	13.1 ±0.5	14.6 ±0.5	17.61 ±0.5
Weight	kg/km	110	110	110	110	110	110	122	150	216
Max. Load (Short Term)	N	2700	2700	2700	2700	2700	2700	2800	2900	3100
Max. Load (Long Term)	N	1300	1300	1300	1300	1300	1300	1500	1500	1600
Min. Bend Radius (Loaded)	mm	20D	20D	20D	20D	20D	20D	20D	20D	20D
Min. Bend Radius (Installed)	mm	10D	10D	10D	10D	10D	10D	10D	10D	10D
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Operating Temperature	°C	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70
Max Crush Resistance	N/100mm	3000	3000	3000	3000	3000	3000	3000	3000	3000
Number of Elements	5	5	5	5	5	5	5	6	8	12

## Ordering Information

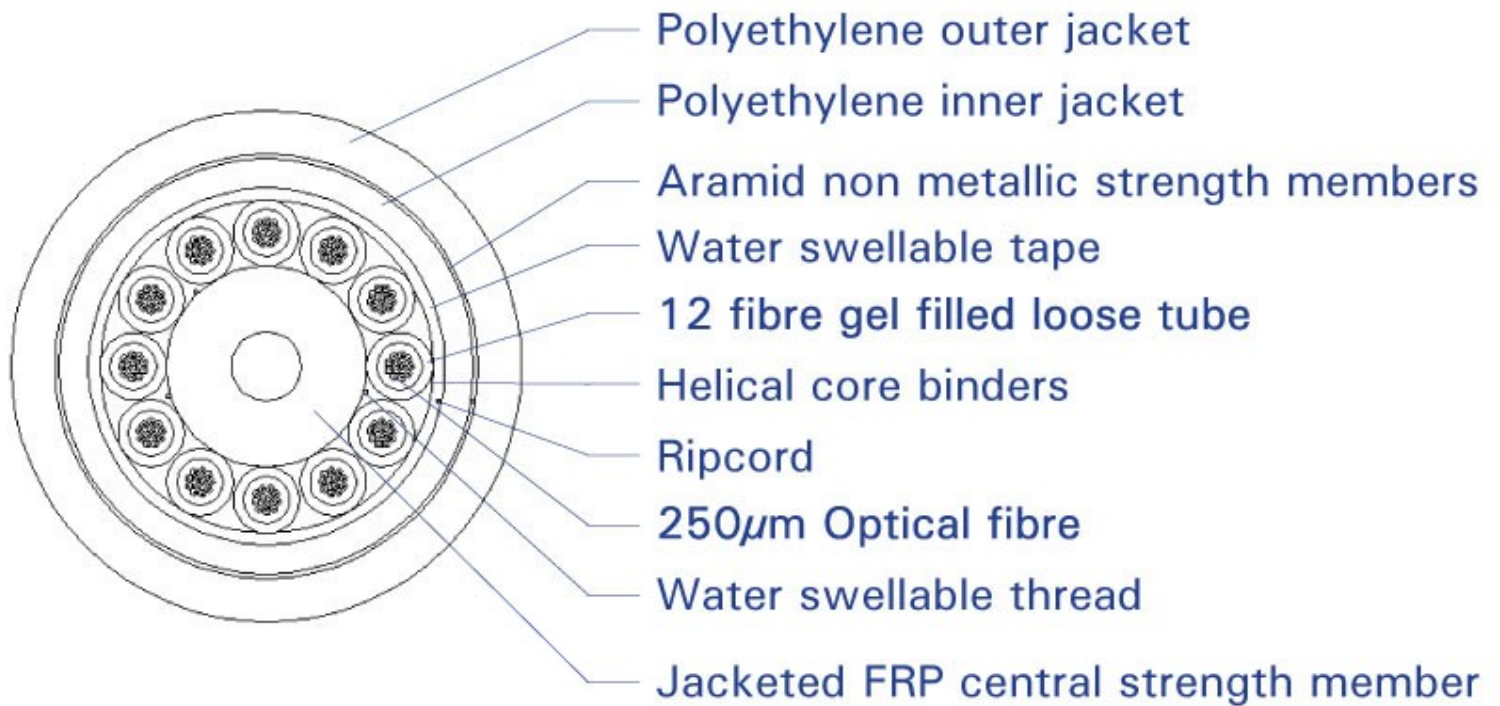


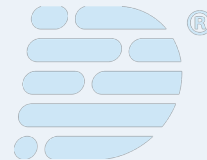
### Example:

**FC-MLDK-92-24** – Double Jacket PKP Multi Loose Tube Cable STA Singlemode PE 24 Fibres



## Technical Drawing





## Loose Tube Cables



### Dual Sheath Single Loose Steel Tape Armoured (PSP)

2 to 24 250µm fibre OM1, OM2, OM3, OM4 multimode or OS1/OS2 singlemode single loose tube metallic armoured external duct and direct burial double jacket cables with E-glass strength members, and polyethelene (PE) jacket.

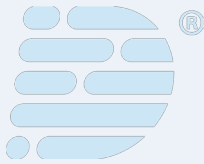
The single loose tube cables consist of 2 to 24, 250 µm optical fibres in a single gel filled loose tube with helically applied E-glass non-metallic strength members, ripcord and Polyethelene (PE) inner jacket. Corrugated Steel Tape (CST) armouring and High Density Polyethelene (HDPE) outer jacket.

### Applications

- Suitable for external duct, for direct burial applications and for environments where impact and crush protection is required

### Features

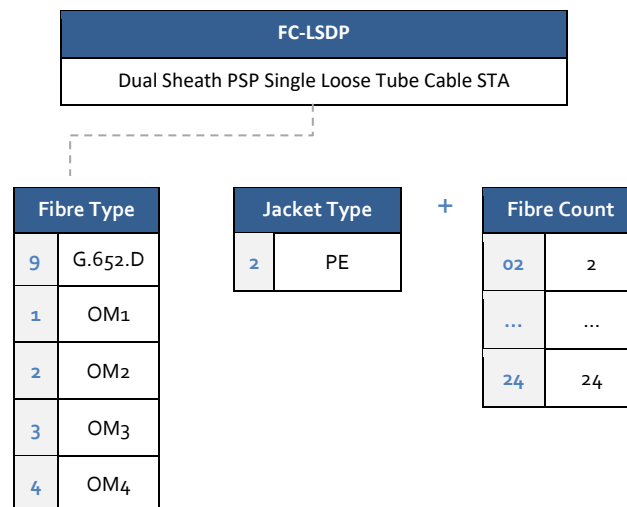
- 250 µm loose tube construction
- Available with various fibre types
- Double PE jackets for environmental protection and water permeation resistance
- Dual jackets and CST armouring for enhanced impact and crush resistance
- Color coded fibres



## Specifications

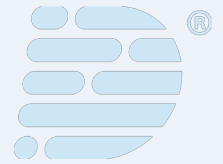
DESCRIPTION		2-CORE PE	4-CORE PE	6-CORE PE	8-CORE PE	12-CORE PE	16-CORE PE	24-CORE PE
Outer Diameter	mm	10.2 ±0.4	10.2 ±0.4	10.2 ±0.4	10.2 ±0.4	10.2 ±0.4	10.9 ±0.4	10.9 ±0.4
Weight	kg/km	127	127	127	127	127	135	135
Max. Load (Short Term)	N	1000	1000	1000	1000	1000	1000	1000
Max. Load (Long Term)	N	500	500	500	500	500	500	500
Min. Bend Radius (Loaded)	mm	20D	20D	20D	20D	20D	20D	20D
Min. Bend Radius (Installed)	mm	10D	10D	10D	10D	10D	10D	10D
Operating Temperature	°C	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60
Storage Temperature	°C	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60
Installation Temperature	°C	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70
Max Crush Resistance	N/100mm	3000	3000	3000	3000	3000	3000	3000

## Ordering Information

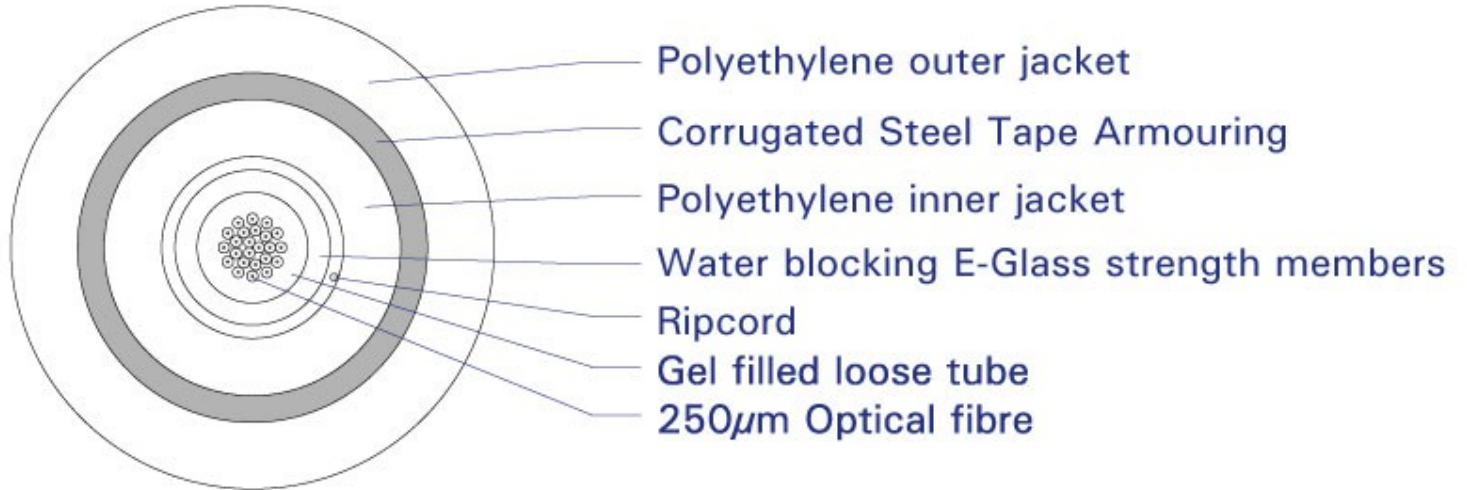


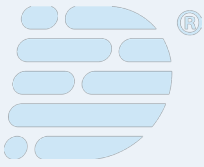
### Example:

**FC-LSDP-92-24** – Double Jacket PSP Multi Loose Tube Cable STA Singlemode PE 24 Fibres



## Technical Drawing





## Dual Sheath Multi Loose Steel Tape Armoured (PSP)

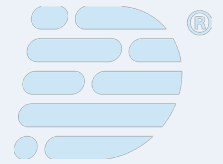
24 to 144 250µm fibre dry core OM1, OM2, OM3, OM4 multimode or OS1 /OS2 (G.652.D) singlemode 250 µm multi loose tube metallic armoured external duct and direct burial cables with E-glass strength members and dual High Density Polyethelene (HDPE) jackets. The 5 -12 element multi loose tube cable construction consists of 24 to 144, optical fibres in 12 fibre gel filled loose tubes, SZ stranded around a Fibre Reinforced Plastic (FRP) central strength member with water swellable threads and tape. Helically applied water blocking E-glass non-metallic strength members with ripcord and PE inner jacket, Corrugated Steel Tape (CST) armouring and black High Density Polyethelene (HDPE) final jacket with ripcord.

### Applications

- Ideal for water crossings such as rivers and lakes
- Suitable for external duct, for direct burial applications and for harsh environments where impact and crush protection is demanded

### Features

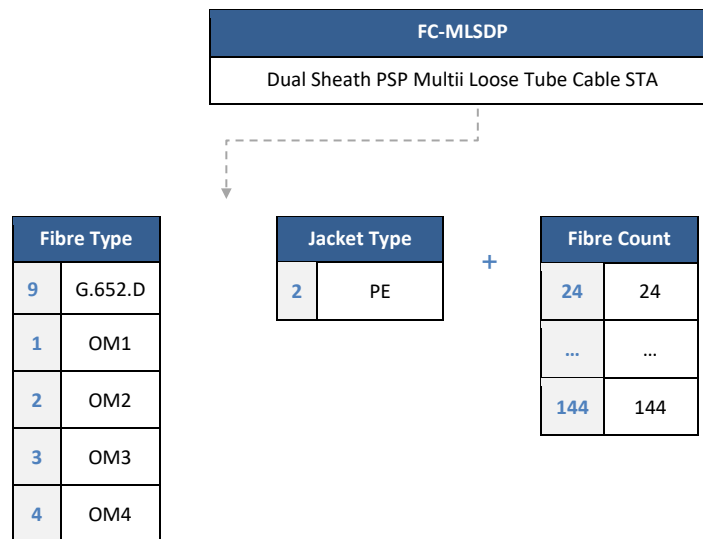
- 250 µm loose tube construction
- Available with various fibre types
- Double PE jackets for environmental protection and water permeation resistance
- Dual jackets and corrugated steel tape armouring for enhanced impact and crush resistance
- Color coded fibres



## Specifications

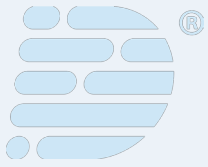
DESCRIPTION		24-CORE PE	36-CORE PE	48-CORE PE	60-CORE PE	72-CORE PE	96-CORE PE	120-CORE PE	144-CORE PE
Outer Diameter	mm	14 ±0.5	14 ±0.5	14 ±0.5	14 ±0.5	14 ±0.5	16.1 ±0.5	17.6 ±0.5	19.1 ±0.5
Weight	kg/km	210	210	210	210	210	257	298	343
Max. Load (Short Term)	N	2700	2700	2700	2700	2700	2900	3000	3300
Max. Load (Long Term)	N	1300	1300	1300	1300	1300	1500	1600	1600
Min. Bend Radius (Loaded)	mm	20D	20D	20D	20D	20D	20D	20D	20D
Min. Bend Radius (Installed)	mm	10D	10D	10D	10D	10D	10D	10D	10D
Operating Temperature	°C	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60
Storage Temperature	°C	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60
Installation Temperature	°C	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70
Max Crush Resistance	N/100mm	3000	3000	3000	3000	3000	3000	3000	3000
Number of Elements		5	5	5	5	6	8	10	12

## Ordering Information

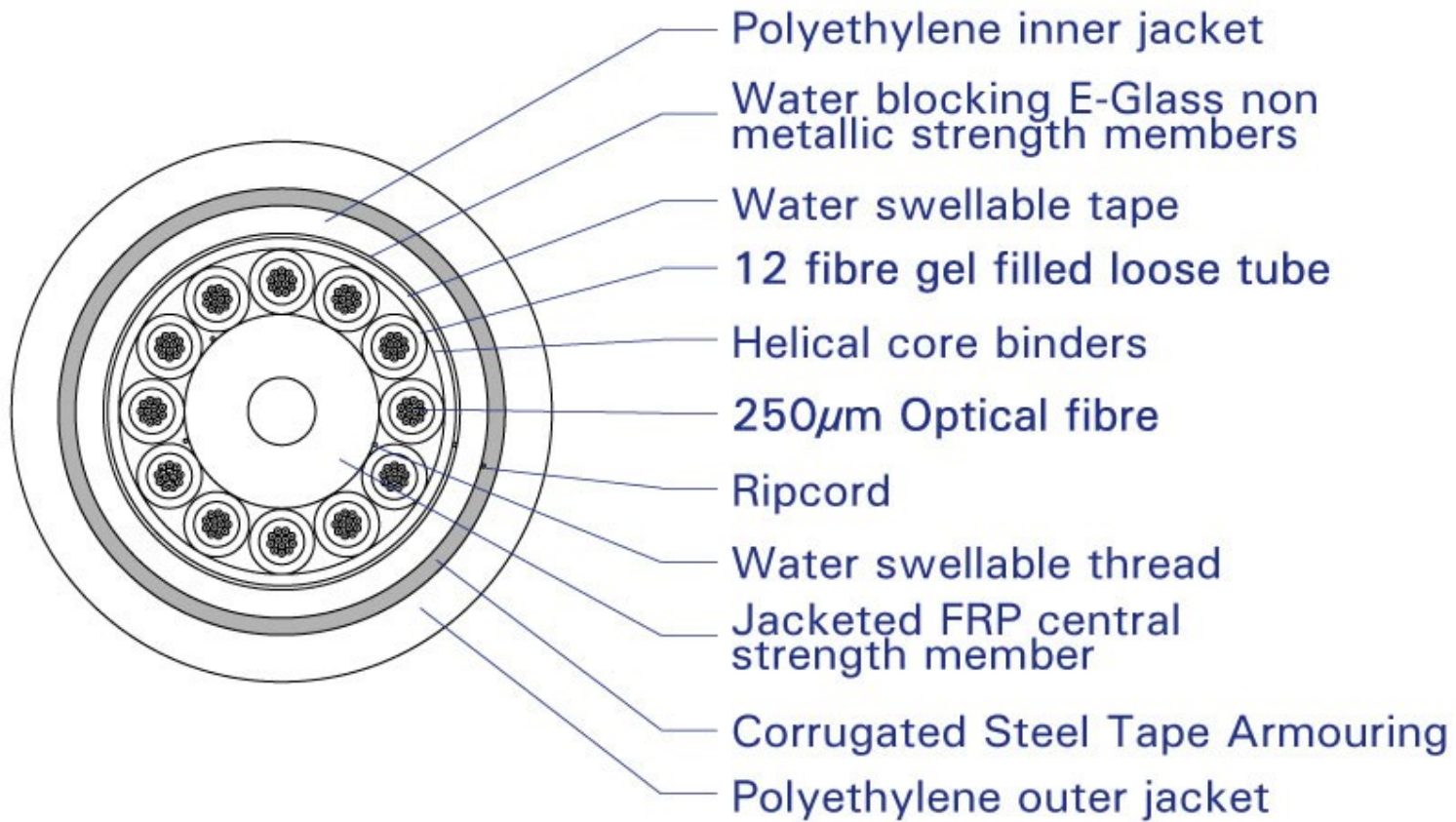


### Example:

FC-MLSDP-92-24 – Double Jacket PSP Multi Loose Tube Cable STA Singlemode PE 24 Fibres



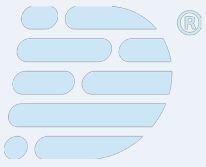
## Technical Drawing



Fibre Optic Cables

# Distribution Cables

Tight Buffered Distribution Cable	56
Tight Buffered Distribution Cable Multi-core (36-96 Fibres)	59
Breakout Fibre Optic Cable (4-24 Fibres)	62
4 to 24 Fibre Steel Tape Armoured Distribution Cable	65



## Tight Buffered Distribution Cable

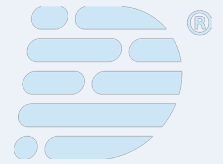
Tight buffered internal distribution cables are constructed of 900µm buffered fibres surrounded by e-glass strength members jacketed in an LSZH outer jacket. This cable is suitable for internal applications and where rodent resistance is required.

### Applications

- Internal applications
- Applications that require rodent resistance
- Installations in trunking, under floor or ceiling spaces (backbones in riser and horizontal configurations)

### Features

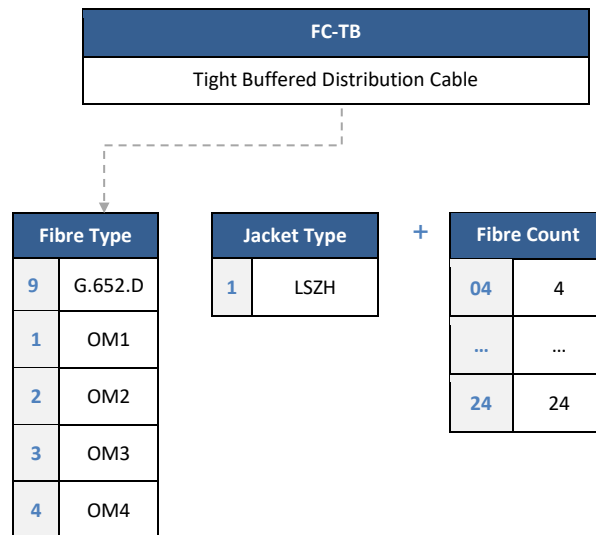
- Rodent resistant using e-glass strength members
- LSZH jacket
- Easy to strip
- Available in various fibre types
- Colour coded fibres



## Specifications

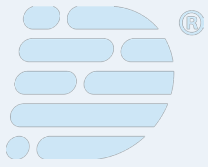
DESCRIPTION		4-CORE LSZH	8-CORE LSZH	12-CORE LSZH	24-CORE LSZH
Outer Diameter	mm	4.8 ±0.3	5.8 ±0.3	6.5 ±0.3	8.9 ±0.3
Weight	kg/km	26	34	40	61
Max. Load (installation)	N	600	750	750	900
Max. Load (installed)	N	300	375	375	450
Min. Bend Radius (installation)	mm	96	116	130	150
Min. Bend Radius (installed)	mm	48	58	65	75
Fire Performance		LSZH IEC 61034-1&-2, IEC 60332-1, IEC 60754-1, IEC 60754-2			
Operating Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	1000	1000	1000	1000

## Ordering Information

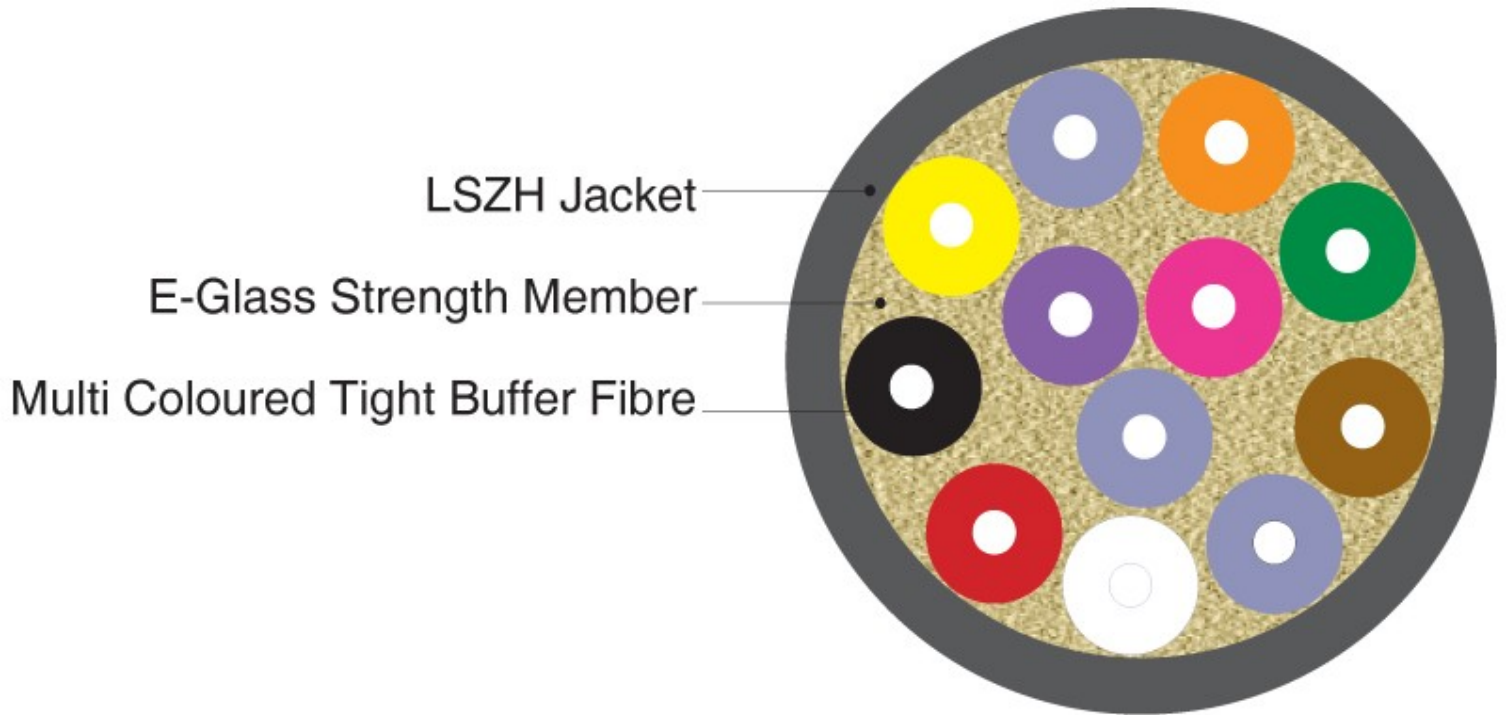


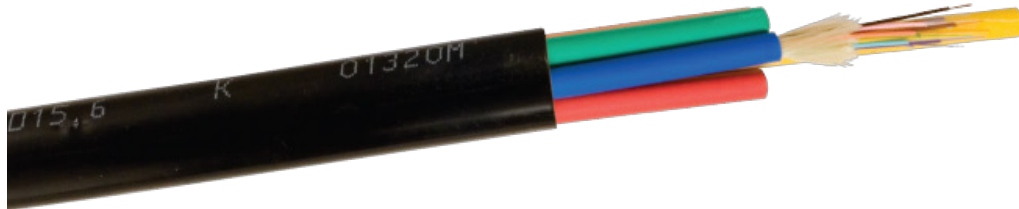
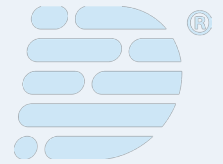
### Example:

**FC-TB-91-24** – Tight Buffered Distribution Cable Singlemode LSZH 24 Fibres



## Technical Drawing





### Tight Buffered Distribution Cable Multi-core (36-96 Fibres)

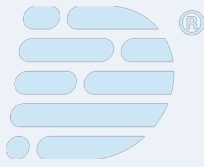
36 to 96 900µm fibre tight buffered internal distribution multi core cable. It consists of 4 to 8 individually coloured, 12 fibre stranded sub units around an FRP central strength member with polyester wrapping tape, all enclosed in aramid yarn strength members and an outer Low Smoke Zero Halogen (LSZH) jacket with a ripcord.

#### Applications

- Internal applications (horizontal or riser installations)

#### Features

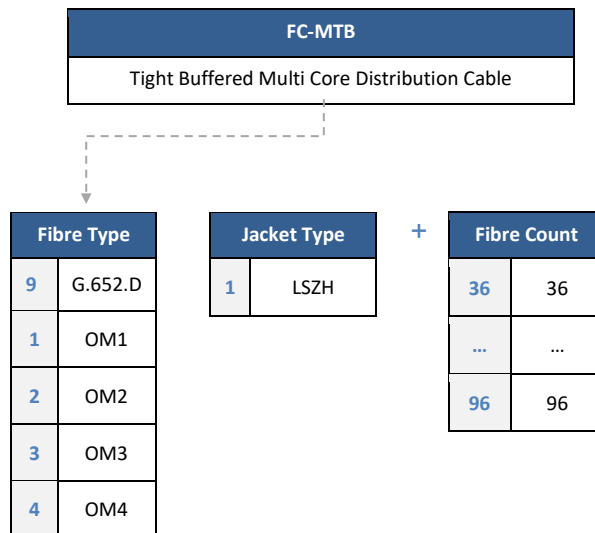
- Aramid yarn strength members
- Available in various fibre types
- Color coded fibres
- Lightweight and compact
- LSZH jacket



## Specifications

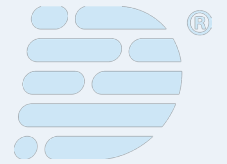
DESCRIPTION		36-CORE LSZH	48-CORE LSZH	72-CORE LSZH	96-CORE LSZH
Outer Diameter	mm	17.4 ±0.5	17.4 ±0.5	21.6 ±0.5	25.5 ±0.5
Weight	kg/km	237	237	397	521
Max. Load (installation)	N	2800	2800	4600	5000
Max. Load (installed)	N	1500	1500	2000	2200
Min. Bend Radius (installation)	mm	350	350	440	500
Min. Bend Radius (installed)	mm	175	175	220	250
Fire Performance		LSZH	LSZH	LSZH	LSZH
Operating Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	1500	1500	1500	1500

## Ordering Information

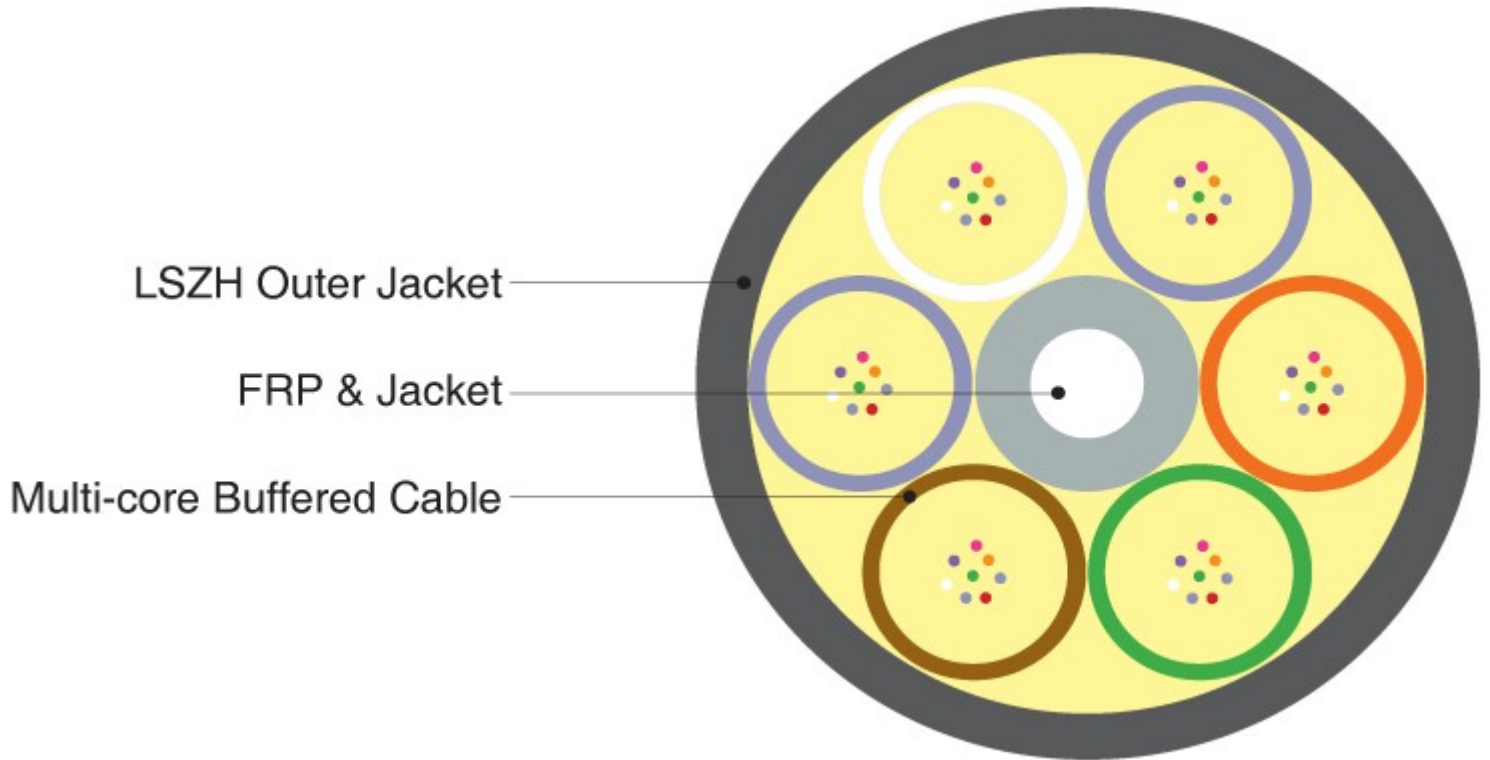


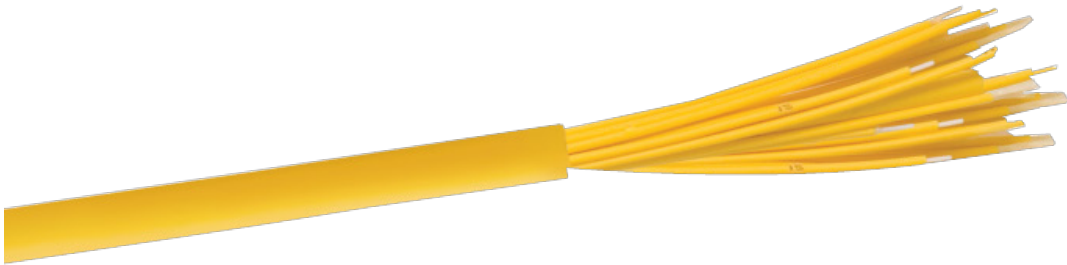
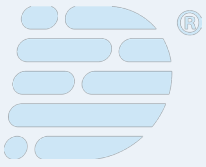
### Example:

FC-MTB-91-96 – Tight Buffered Multi Core Distribution Cable Singlemode LSZH 96 Fibres



## Technical Drawing





## Breakout Fibre Optic Cable (4-24 Fibres)

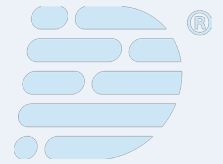
4 to 24 cores internal breakout LSZH jacketed cable constructed by 2mm simplex cables with their own jacket and aramid yarn strength members. These cables are stranded around a central strength member, wrapped in polyester tape.

### Applications

- Internal breakout cable

### Features

- Available with various fibre types
- Lightweight and compact
- LSZH jacket
- Individual aramid yarn strength members per fibre

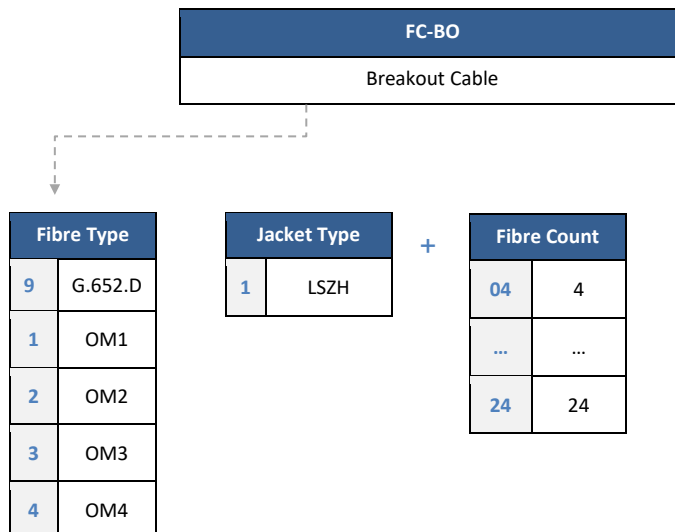


## Specifications

DESCRIPTION		4 CORE LSZH	6 CORE LSZH	8 CORE LSZH	12 CORE LSZH	24 CORE LSZH
Outer Diameter	mm	7	8.2	9.4	11.8	14.1
Weight	kg/km	46	63	86	139	159
Max. Load (installation)	N	500	1000	1100	1400	2300
Max. Load (installed)	N	270	600	700	800	1100
Min. Bend Radius (installation)	mm	140	160	190	240	280
Min. Bend Radius (installed)	mm	70	80	95	120	140
Fire Performance					LSZH	LSZH
Operating Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	1000	1000	1000	1000	1000

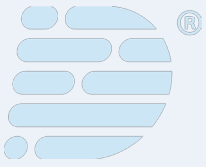
Other diameters are available upon request.

## Ordering Information

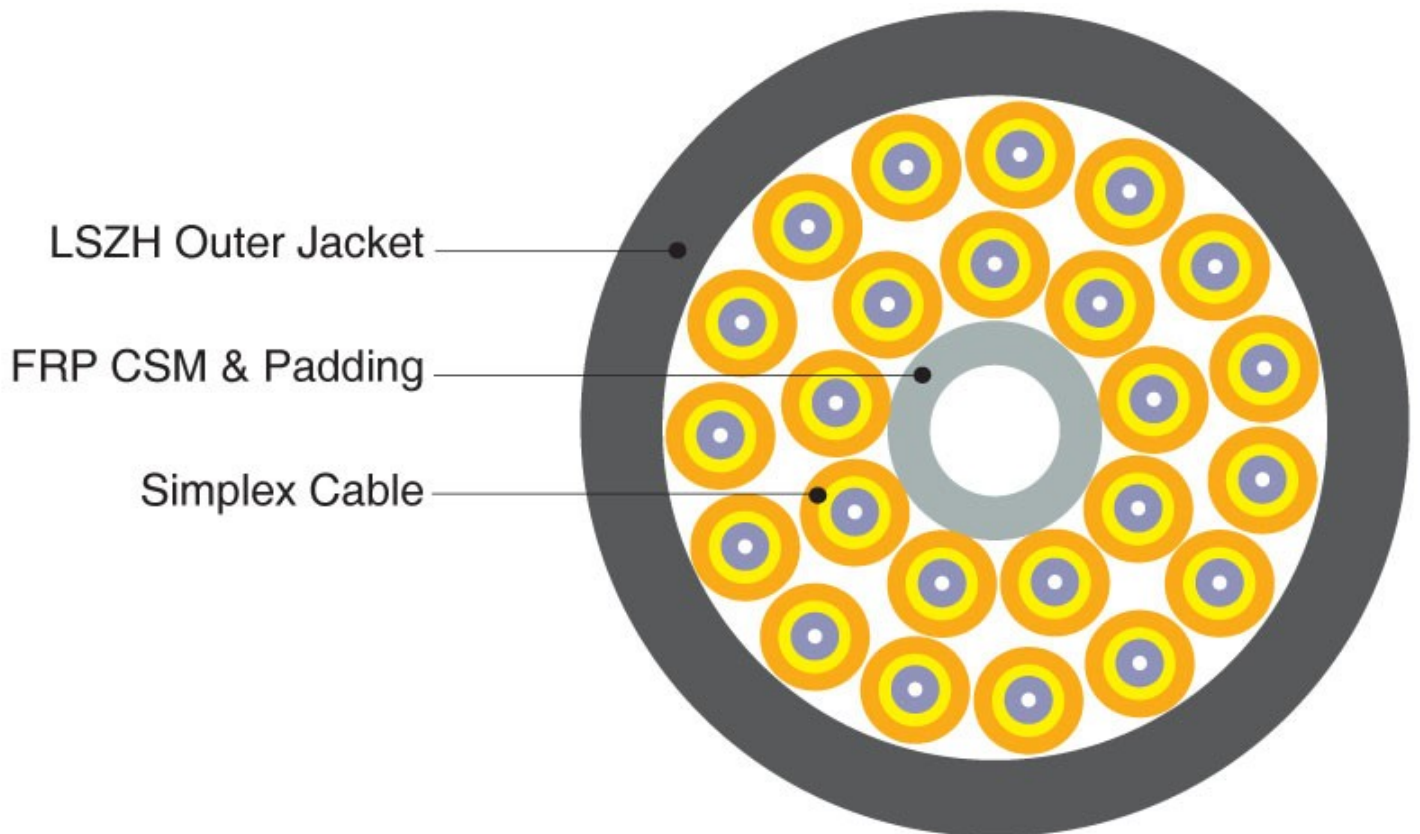


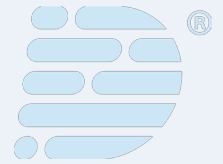
### Example:

FC-BO-91-24 – Breakout Cable Singlemode LSZH 24 Fibres



## Technical Drawing





## 4 to 24 Fibre Steel Tape Armoured Distribution Cable

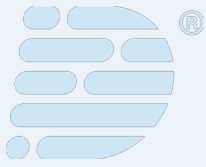
4 to 24 fibre 900µm tight buffered steel tape armoured distribution cable with e-glass non-metallic strength members and two Low Smoke Zero Halogen (LSZH) jackets. It is offered with various types of multimode fibre (OM1, OM2, OM3 and OM4) and Singlemode (OS1/OS2 G.652.D). This cable is designed and manufactured for internal/external use.

### Applications

- Backbone applications in both riser and horizontal)
- Internal applications (trunking, under floor, ceiling spaces)
- External applications (direct burial)

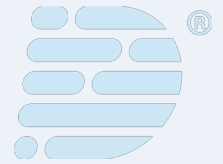
### Features

- 900µm tight buffered construction
- Offered with multimode (OM1, OM2, OM3, OM4) or singlemode (OS1/OS2 G.652.D) fibres
- Rodent resistant, using e-glass strength members and a steel tape armour
- 13 to 24 fibres marked with ring-mark for easy identification
- Color coded fibres, (1 to 12 colors – with a ring mark for 13 to 24 fibres)
- Black coloured LSZH jacket (as per IEC 60332-1)

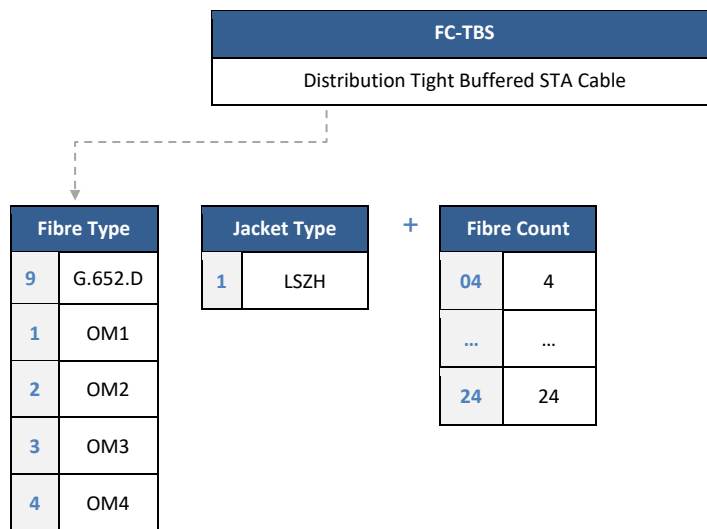


## Specifications

<b>PARAMETER</b>	<b>UNIT</b>	<b>VALUE</b>
<b>Crush</b>	N/100mm	3000
<b>Strength Member</b>		E-Glass
<b>Storage Temperature</b>	°C	-20 to +60
<b>Installation Temperature</b>	°C	0 to +50
<b>Operating Temperature</b>	°C	-20 to +60
<b>Nominal Weight (4 and 6 fibre)</b>	kg/km	109
<b>Nominal Weight (8 and 12 fibre)</b>	kg/km	140
<b>Nominal Weight (16 and 24 fibre)</b>	kg/km	186
<b>Fibre count</b>	N	4 to 24
<b>Nominal outer diameter (4 and 6 fibre)</b>	mm	8.8 ± 0.5
<b>Nominal outer diameter (8 and 12 fibre)</b>	mm	10.4 ± 0.5
<b>Nominal outer diameter (16 and 24 fibre)</b>	mm	12.9 ± 0.5
<b>Maximum tensile load</b>	N	1000N installation, 500N installed
<b>Minimum bend radius</b>	mm	Installed 10D, Loaded 20D

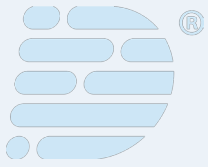


## Ordering Information

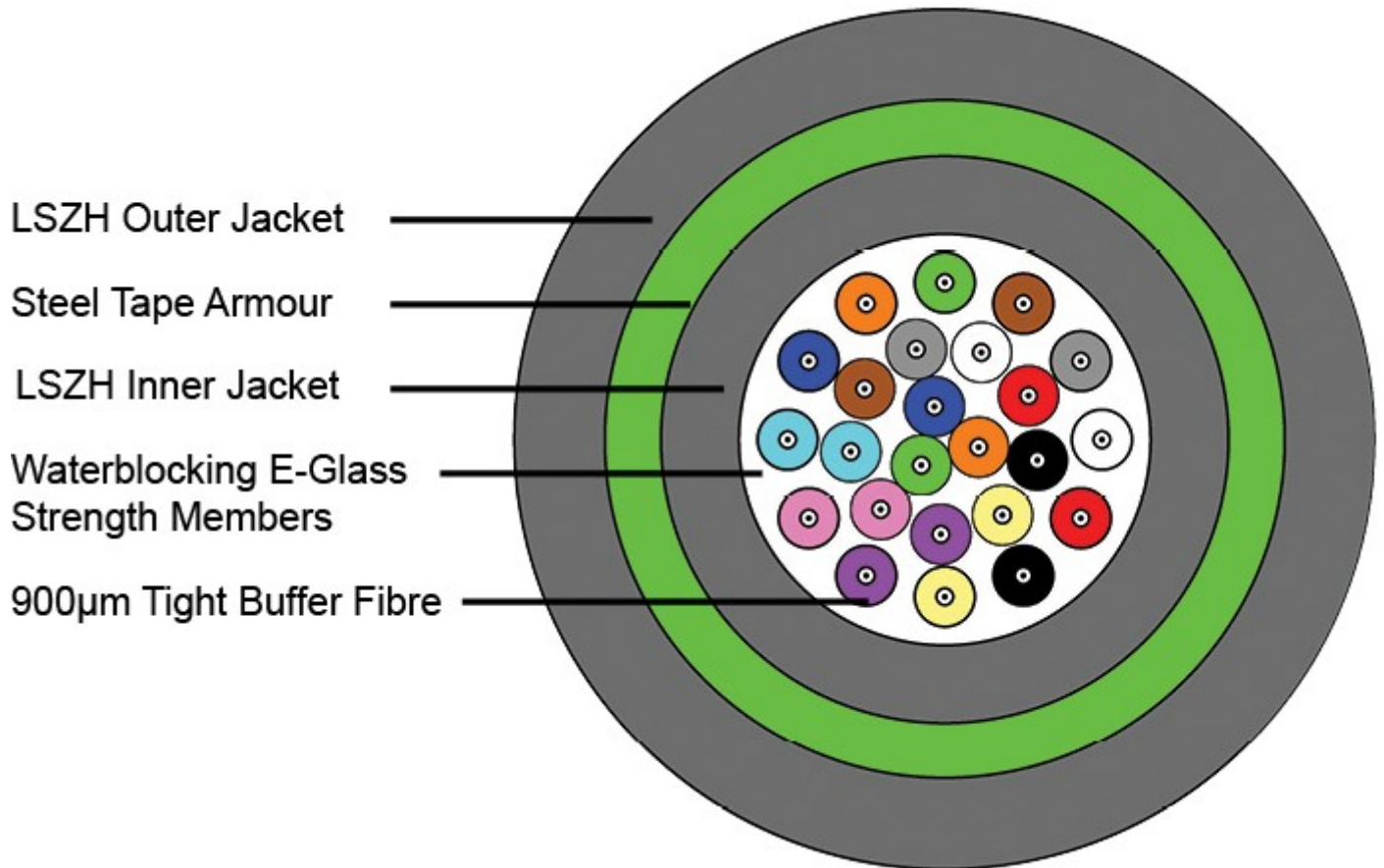


### Example:

**FC-TBS-91-24** – Distribution Tight Buffered Cable STA Singlemode LSZH 24 Fibres



## Technical Drawing



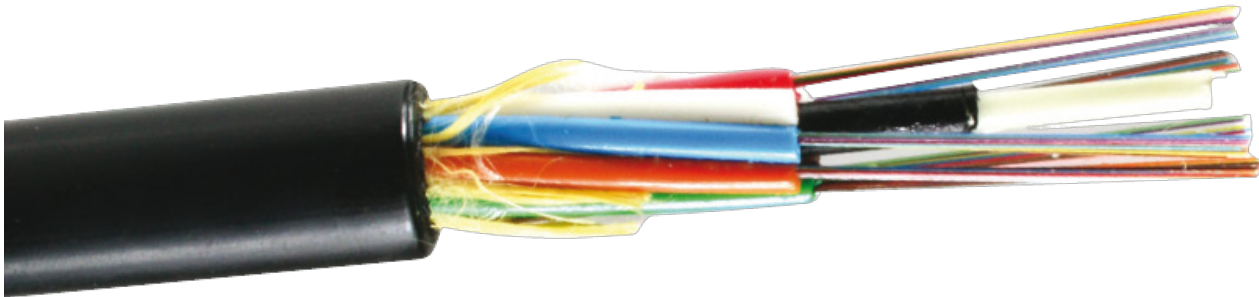
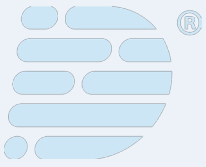
Fibre Optic Cables

# Direct Burial Cables

Double Jacket Direct Burial Cable (12 -144 Fibres)

70

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## Double Jacket Direct Burial Cable (12 -144 Fibres)

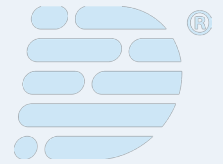
12 to 144 250um fibre multi element, multi loose tube direct burial cable with corrugated steel tape armouring. It consists of 12 fibre gel filled loose tubes, SZ stranded around a fibre reinforced plastic central strength member with water swellable threads and tape. It features an inner PE and an outer HDPE jackets with ripcords.

### Applications

- Direct burial applications
- Applications high mechanical loads
- Applications that require rodent protection

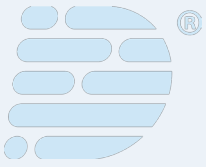
### Features

- Offered with G.652.D, G. 655 or G.656 fibre types
- Robust cable construction
- Single layer stranded construction (up to 144 fibres) Corrugated steel tape as protection against rodents and mechanical damage
- Enhanced tensile strength with the use of dielectric central strength member
- Offered with inner and outer PE jackets
- Wrapped in water blocking tape

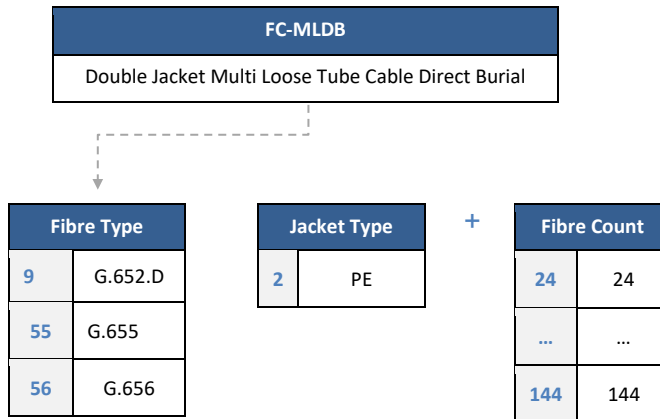


## Specifications

DESCRIPTION		A-DQ(ZM)								
		(SR)2Y 12	(SR)2Y 24	(SR)2Y 36	(SR)2Y 48	(SR)2Y 60	(SR)2Y 72	(SR)2Y 96	(SR)2Y 120	(SR)2Y 144
<b>Maximum Fibre Count</b>	Cores	12	24	36	48	60	72	96	120	144
<b>Cable Diameter</b>	Mm	14.7	14.7	14.7	14.7	14.7	14.7	16.2	17.8	19.5
<b>Cable Weight</b>	kg/km	195	195	195	195	195	195	235	280	325
<b>Max. Tensile Load during installation</b>	N	2700	2700	2700	2700	2700	2700	2700	2700	2700
<b>Fibres per loose buffer tube</b>		12	12	12	12	12	12	12	12	12
<b>Number of loose buffer tube</b>		1	2	3	4	5	6	8	10	12
<b>Number of stranding elements</b>		6	6	6	6	6	6	8	10	12
<b>Min. Bend Radius</b>		20 x cable outer diameter (during laying and installation)			17.5 x cable outer diameter (installed)					
<b>Installation Temperature Range</b>	°C	-5~+50	-5~+50	-5~+50	-5~+50	-5~+50	-5~+50	-5~+50	-5~+50	-5~+50
<b>Operation Temperature Range</b>	°C	-30~+70	-30~+70	-30~+70	-30~+70	-30~+70	-30~+70	-30~+70	-30~+70	-30~+70
<b>Transportation Temperature Range</b>	°C	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70

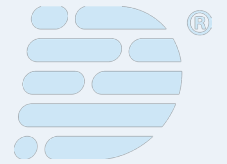


## Ordering Information

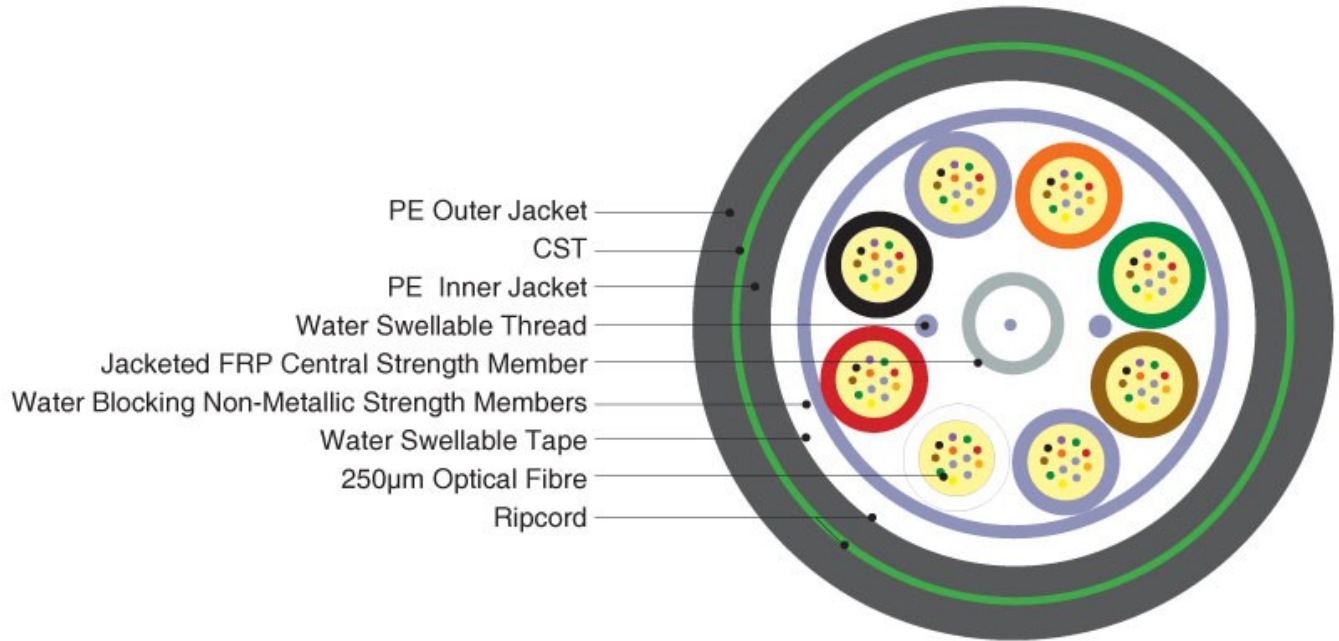


### Example:

**FC-MLDB-92-24** – Double Jacket Multi Loose Tube Cable Direct Burial Singlemode PE 24 Fibres



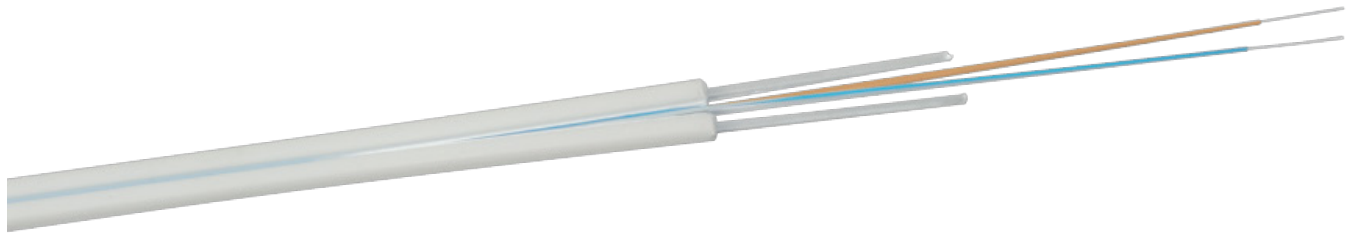
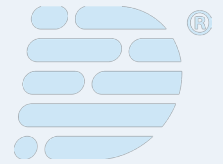
## Technical Drawing



Fibre Optic Cables

# FTTH Cables

FTTH Flat Drop Cable	75
4 Fibre All Dielectric 250um FTTH Loose Tube Drop Cable	78



## FTTH Flat Drop Cable

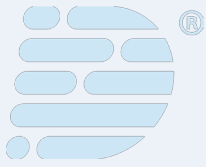
All dielectric flat duplex drop cable for FTTH (or FTTX in general) applications. It comes with 1 to 4 250µm individually coloured bend insensitive singlemode fibres and it contains 2 FRP strength members. The outer Low Smoke Zero Halogen (LSZH) jacket comes in black or white colour with a nominal dimension 2x3mm.

### Applications

- Internal FTTH/FTTx applications
- Horizontal and riser applications
- Clipping to surfaces including skirting boards
- External short distance applications

### Features

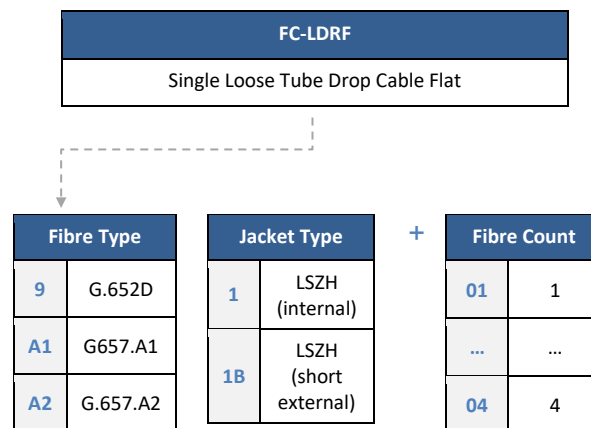
- Single mode optical fibre meeting ITU-T G.652D, G.657A1 or G.657A2
- Choice of fibre types
- Black LSZH jacket for short distance external use
- White LSZH jacket for internal use
- Individually colored optical fibres
- Notched 2 x 3 mm construction for easy stripping



## Specifications

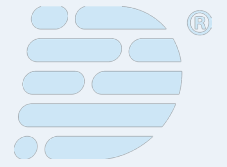
PAREMETER	UNIT	VALUE
Crush (short term)	N/100mm	1000
Strength Member		FRP
Storage Temperature	°C	-20 to +60
Installation Temperature	°C	-5 to +50
Operating Temperature	°C	-20 to +60
Primary buffer diameter	µm	250
Fibre count	N	1 to 4
Nominal outer diameter	mm	2.0 x 3.0 ± 0.2
Nominal Weight	kg/km	7
Maximum tensile load	N	80
Minimum bend radius	mm	15
Plywood drum dimensions (Flange, Barrel, Width) 4km	mm (approx.)	F630, B300, W250
Drum weight with cable 4km	kg (approx.)	22

## Ordering Information

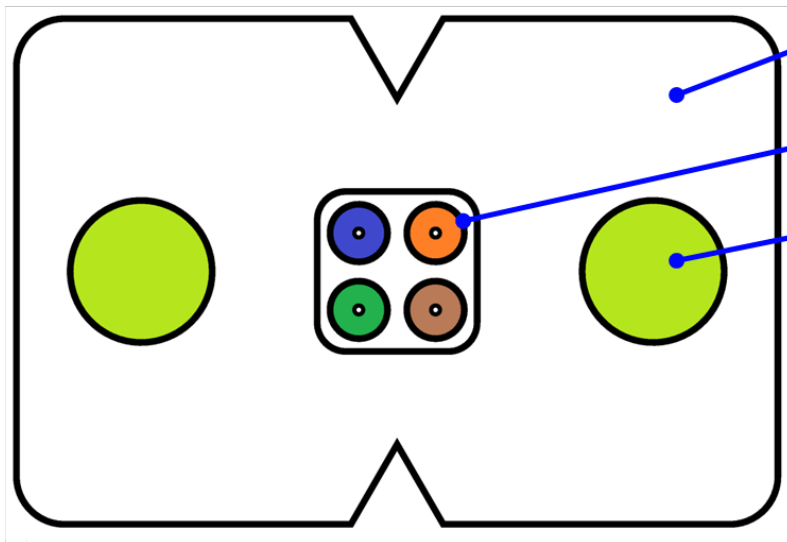


## Example

CFC-LDRF-A21-04 – All dielectric FTTH Loose Tube Drop Cable FLAT G.657.A2 LSZH White 4 Fibres



### Technical Drawing

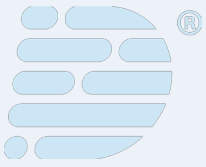


LOW SMOKE ZERO HALOGEN JACKET

250µm OPTICAL FIBRE

FRP STRENGTH MEMBER ROD

1 TO 4 FIBRE FTTH NON METALLIC  
CABLE WITH 250µm OPTICAL FIBRES  
AND LSZH JACKET



## 4 Fibre All Dielectric 250um FTTH Loose Tube Drop Cable

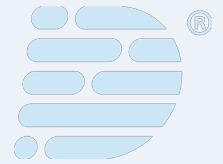
1, 2 or 4 singlemode 250um fibre FTTH indoor/outdoor drop cable designed and manufactured for indoor/outdoor use. This cable consists of a single 1.7mm gel filled loose tube and non-metallic water blocking e-glass strength members. It is offered in white or black colours with Low Smoke Zero Halogen (LSZH) or Polyethelene (PE) jackets.

### Applications

- Backbone applications in both riser and horizontal)
- Internal/External FTTH applications
- Horizontal, riser and duct applications

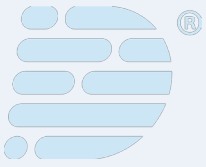
### Features

- Loose tube construction with water blocking protection
- Option for LSZH in white colour or PE in black colour
- Individually colored optical fibres
- Offered with G.5652.D, G.657.A1 or G.657.A2 fibre types
- E-glass strength members for rodent resistance

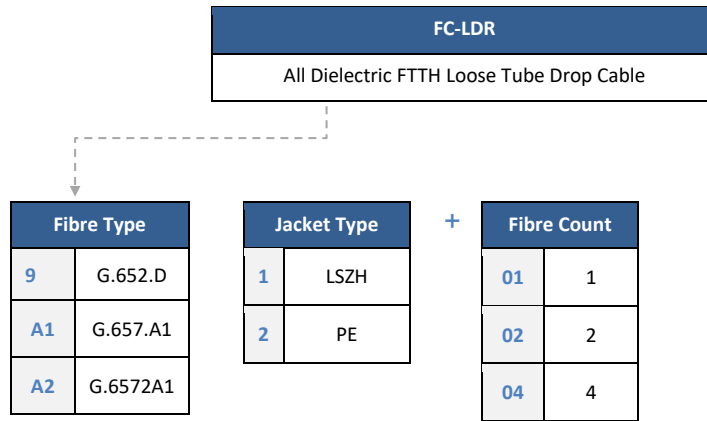


## Specifications

PAREMETER	UNIT	VALUE
Crush	N/100mm	800
Strength Member		E-Glass
Storage Temperature	°C	-20 to +60
Installation Temperature	°C	-5 to +50
Operating Temperature	°C	-20 to +60
Nominal Weight	kg/km	LSZH 22 PE 16
Primary buffer diameter	µm	250
Fibre count	N	1, 2 or 4
Nominal outer diameter	mm	4.2 ± 0.2
Maximum tensile load	N	500
Minimum bend radius	mm	15
Drum length	km	4
Plywood drum dimensions (Flange, Barrel, Width)	mm (approx.)	F760, B340, W380
Drum weight with cable 4km	kg (approx.)	LSZH 100 PE76

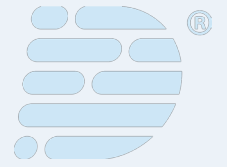


## Ordering Information

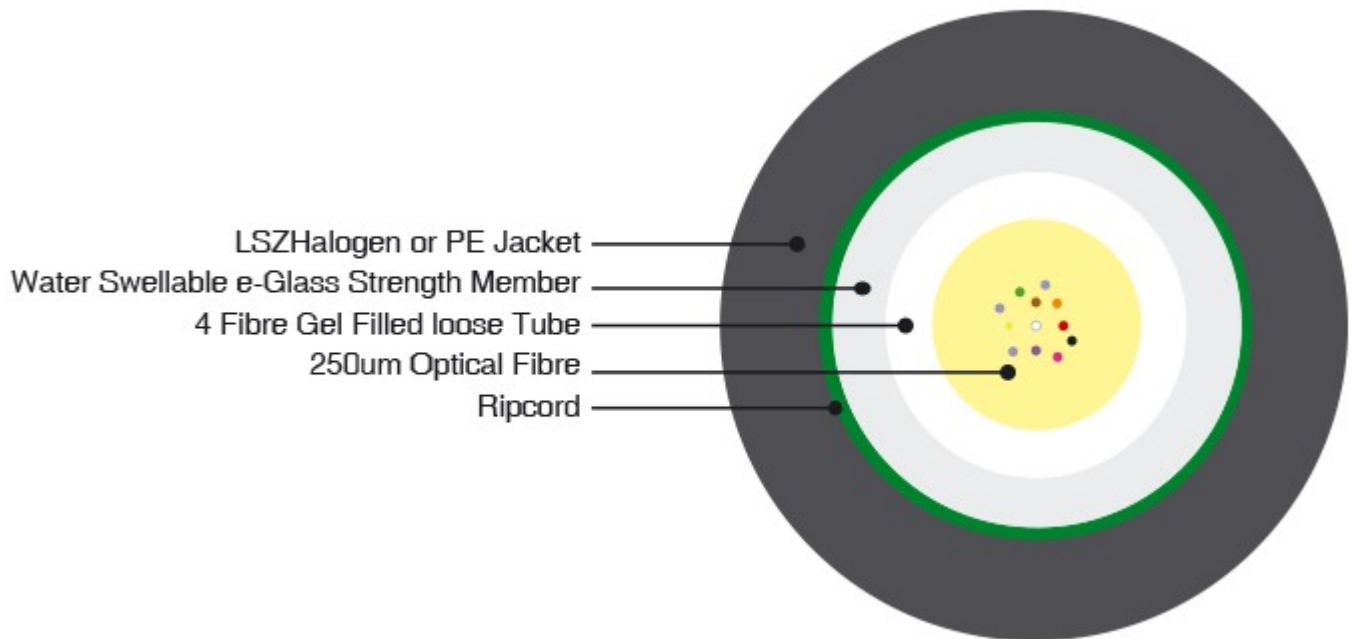


### Example:

**FC-LDR-A21-04** – All dielectric FTTH Loose Tube Drop Cable G.657.A2 LSZH White 4 Fibres



## Technical Drawing



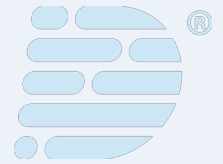
Fibre Optic Cables

# Micro Cables

Single Jacket Micro Cable (2-24 Fibres)

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## Single Jacket Micro Cable (2-24 Fibres)

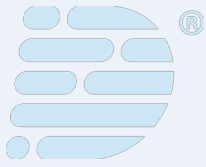
2 to 24 250µm fibre micro cable with aramid yarn strength members and Low Smoke Zero Halogen (LSZH) jacket. There are various options for the fibre type: multimode (OM1/OM2/OM3/OM4) or singlemode with standard (G.652.D) or bend insensitive (G.657.A1/G.657.A1) fibre.

### Applications

- Data centres
- High density internal applications
- MTP® assemblies

### Features

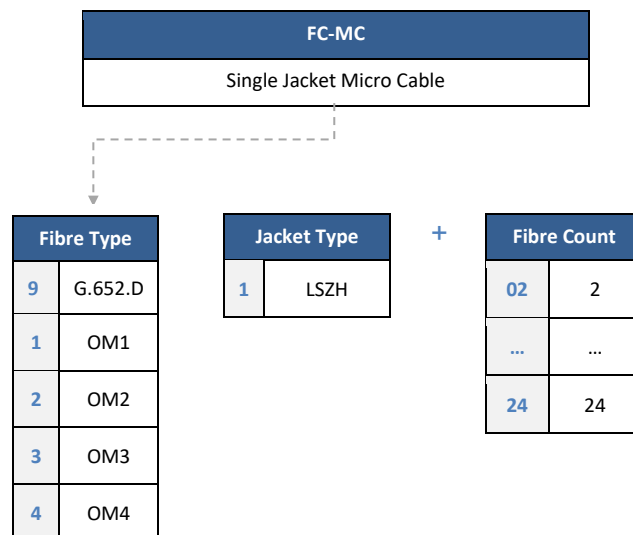
- C Compact 250µm construction
- All dielectric construction
- Available in various fibre types
- Aramid yarn strength members
- LSZH jacket
- Colour coated fibres



## Specifications

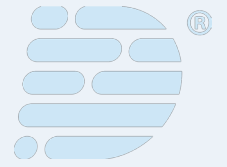
PAREMETER	UNIT	VALUE
Crush	N/100mm	500
Strength Member		E-Glass
Storage Temperature	°C	-5 to +50
Installation Temperature	°C	-40 to +60
Operating Temperature	°C	-20 to +60
Nominal Weight (2 to 24f)	kg/km	7
Primary buffer diameter	µm	250
Fibre count	N	2 to 24
Nominal outer diameter (2 to 24f)	mm	2.95 ± 0.1mm
Maximum tensile load	N	Short term 10D, Long term 20D
Minimum bend radius	mm	Installed 30mm, Loaded 60mm
Drum length	km	1
Plywood drum dimensions (Flange, Barrel, Width)	mm (approx.)	F500, B220, W330
Drum weight with cable 1km (2 to 24f)	kg (approx.)	10

## Ordering Information

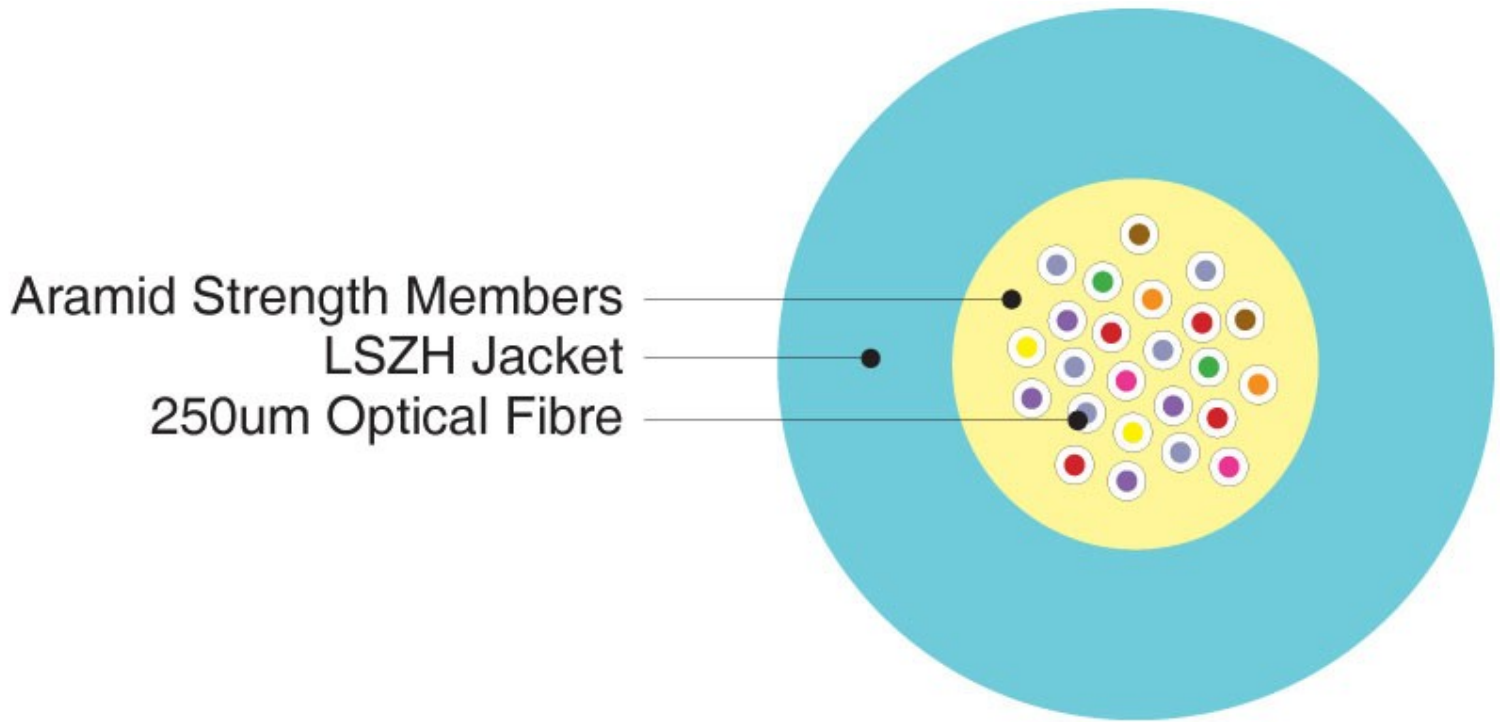


### Example:

FC-MC-91-24 – Single Jacket Micro Cable Singlemode LSZH 24 Fibres



## Technical Drawing



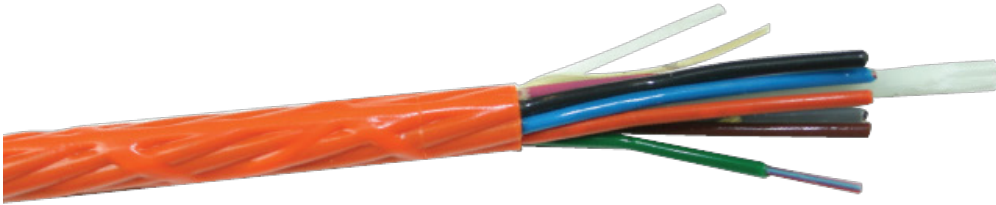
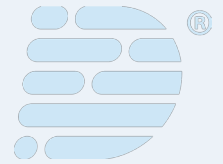
Fibre Optic Cables

# Blowing Cables

Dry Core Blowing Cable (12-144 Fibres)

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## Dry Core Blowing Cable (12-144 Fibres)

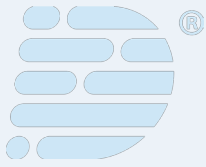
12 to 144 250um fibre, 6, 8 and 12 element gel filled loose tube signlemode (G.652.D) cable. It features individually colored optical fibres in 12 fibre polymeric gel filled loose tubes, SZ stranded around a FRP central strength member with water swellable thread, water swellable core binders and black polyethelene or orange nylon (polyamide PA12) final jacket with ripcord.

### Applications

- External compact ducts by air blowing

### Features

- Option for PE or or PA12 outer jacket
- Compact cable construction
- SZ reverse oscillated stranding for easy installation
- Nylon jacket option (PA12) for reduced installation friction
- Water swellable dry core construction
- Enhanced tensile strength and kink resistance



## Specifications

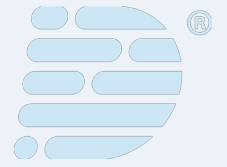
### Cable Specification (IEC 60794)

DESCRIPTION	UNITS	6 TUBE ELEMENTS	8 TUBE ELEMENTS	12 TUBE ELEMENTS
Max. fibre count	N	72	96	144
Cable diameter	mm	5.6	6.4	8.2
Cable weight	kg/km	27	40	65
Tensile rating short & long term	N	500/250	1200/600	1500/750
Crush short & long term	N/100mm	800/400	800/400	800/400

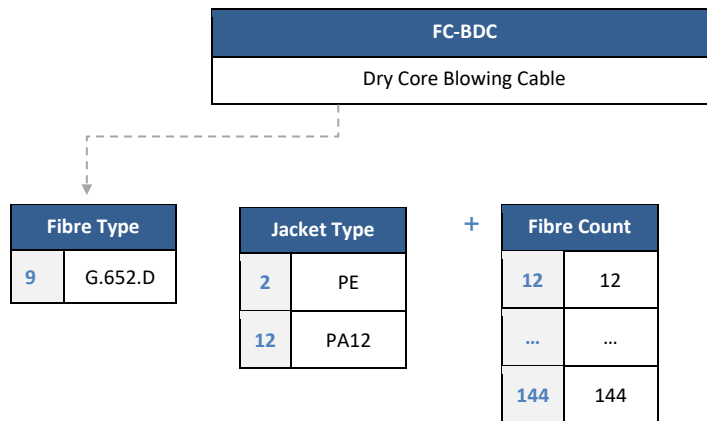
PARAMETER	UNITS	VALUE
Plywood drum dimensions (Flange, Barrel, Width) 4km	mm (approx.)	F1000, B510, W690
Drum weight with cable 4km 6el 72 fibre	kg (approx.)	126
Drum weight with cable 4km 8el 96 fibre	kg (approx.)	178
Drum weight with cable 4km 12el 144 fibre	kg (approx.)	278

### Blowing Performance

BLOWING UNIT	INCLUDING PLUMETTAZ	PR140&	MINI-JET 400
Max. fibre count (N)	72	96	144
Blowing Distance (m) in (8.0mm/10.0 mm) Ducting	2000	1500	N/A
Blowing Distance (m) in (10.0mm/12.0 mm) Ducting	>2000	2300	1500

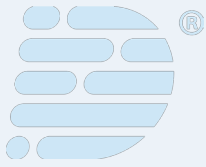


## Ordering Information



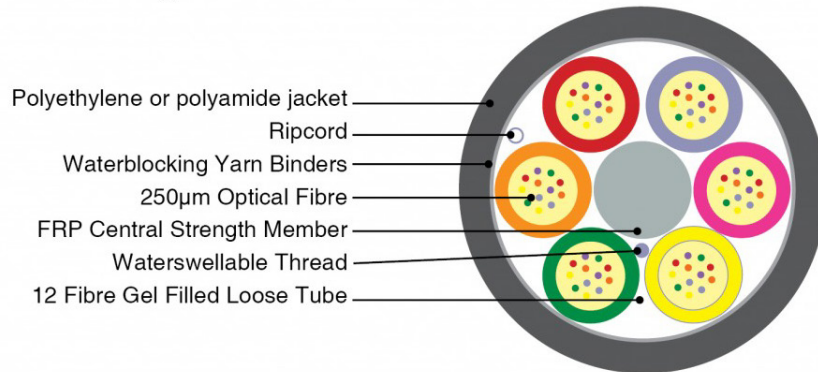
### Example:

**FC-BDC-92-144** – Dry Core Blowing Cable Singlemode PE 144 Fibres

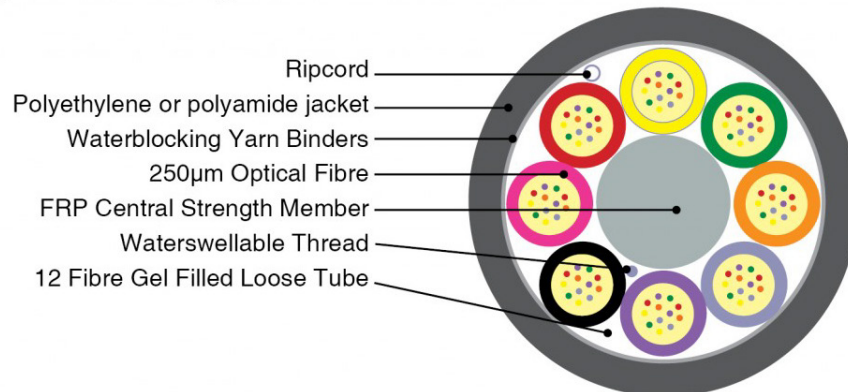


## Technical Drawing

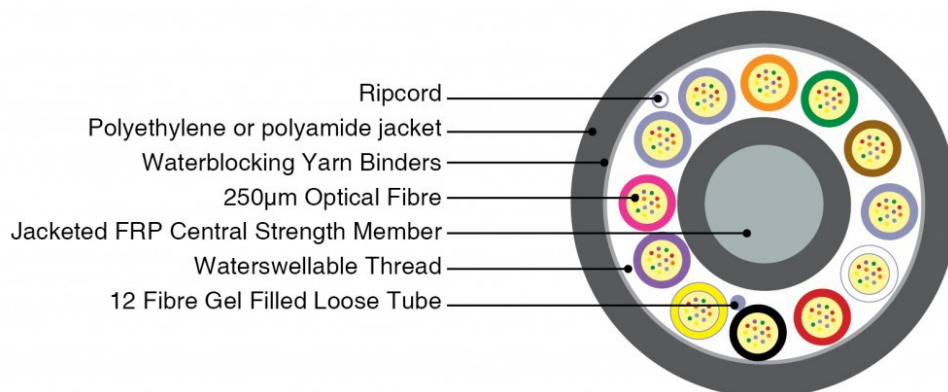
Up to 72 fibres 6 element external reduced diameter dry core blowing cable



Up to 96 fibres 8 element external reduced diameter dry core blowing cable



Up to 144 fibres 12 element external reduced diameter dry core blowing cable





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