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OUTDOOR CABLE

Durable and reliable cable for outside plant

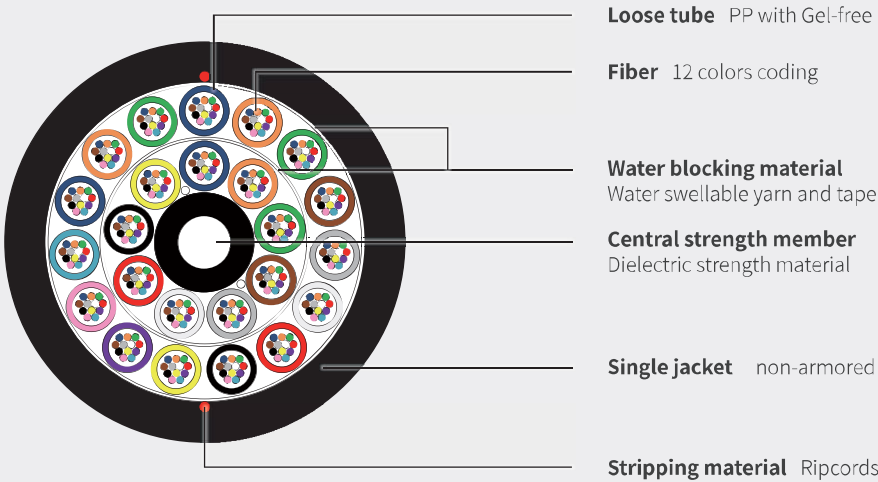


Durable and reliable cable for outside plant

Taihan Fiberoptics' multi-purpose loose tube cables are designed for outdoor applications to be used in Duct, Lashed or Direct Buried (Armored) installation.

Our LT designs are composed by flexible gel free fully water-blocked buffer tubes in a SZ-stranded cable core facilitating handling, preparation and cable mid-span entry. Optional armored type with corrugated steel tape provides mechanical protection and rodent resistance.

MULTI LT SINGLE JACKET NON ARMORED



Description

The single jacket non armored multi loose tube cable is a reliable OSP cabling solution for duct and lashed deployments. This cable is totally made of dielectric materials. The single jacket construction gives this cable versatility for general OSP applications while allowing durability and ease of stripping. This total gel-free construction makes this cable very easy to handle allowing effortless splice preparation which results on a faster and cleaner installation. Moreover, ultra-absorbent yarn located in each buffer tube instead of gel provides the same water blocking performance, but lighter and craft-friendly. Additional water-blocking material for more perfect moisture protection outside the tubes and on wrapping the cable core is included.

Furthermore, the SZ Stranded multi tube structure enables the fibers be dropped-off by each of their groups at different points with no interference to one another, allowing quick and easy mid span access. Besides, relatively high fiber count accommodation is also available in this structure.

Features

Water Proof
Long product life

Quick Identification
Color-Coded Fiber

Durable design
UV resistance

All-Dielectric
No effect to electric lines

Easy to handle
Flexible & Light weight

Excellent flexibility
Easy to install

Cost Saving
Fast Splicing

Eco-friendly
Gel free material

Easy Preparation
All-Dry Block

Applications

- Outside plant
- Lashed
- Duct

Standards & Certifications

[ITU-T G.650, G.651, G.652, G.655, G.657]
[TIA-598] [IEC 60793, 60794] [OHSAS 18001]
[ISO 9001, 14001]

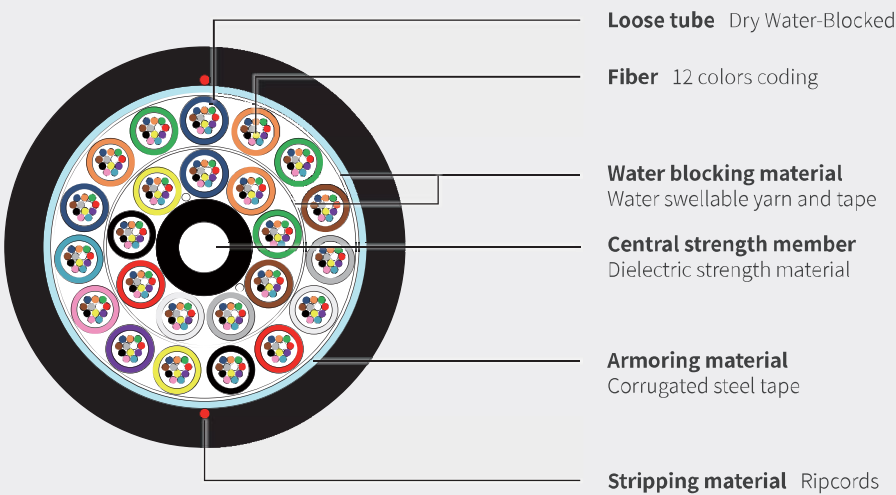
Physical Characteristics					
Fiber Count	12~72	84~96	108~144	192~216	240~288
No. of Fiber Per Tube	12				
Nominal Diameter (mm)	10.5 (0.488 inch)	12.1 (0.531 inch)	15.4 (0.650 inch)	15.8 (0.681 inch)	18.2 (0.752 inch)
Nominal Weight (kg/km)	77 (52 lbs/1000'ft)	91 (61 lbs/1000'ft)	152 (102 lbs/1000'ft)	134 (90 lbs/1000'ft)	184 (123 lbs/1000'ft)
Number of tube position (ea)	6	8	12	18	24
Number of active tube (ea)	1~6	7~8	9~12	16~18	20~24
Fiber coloring (01~12)	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua				
Tube coloring (01~12)	01~12* : Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua				

- Tube identification with one black stripe (In case of Black tube with white stripe)
- Besides, relatively high fiber count accommodation is also available in this structure.

Mechanical and Environmental Characteristics	
Tensile Strength	Installation (Short Term) : 2700N (600lbs) Residual (Long Term) : 800N (180lbs)
Temperature range	Storage -40°C to +70°C [-40°F to +158°F] Installation -30°C to +60°C [-22°F to +140°F] Operation -40°C to +70°C [-40°F to +158°F]

► All Specification Can Be Customized

MULTI LT SINGLE JACKET SINGLE ARMORED



Description

The Single jacket single armored multi loose tube cable is a reliable OSP cabling solution for duct, underground and lashed deployments.

This cable construction's advantage is that the corrugated steel tape provides mechanical protection and rodent resistance making it suitable for rodent habitat environments.

The single jacket construction gives this cable versatility for general OSP applications while allowing durability and ease of stripping.

This total gel-free construction makes this cable very easy to handle allowing effortless splice preparation which results on a faster and cleaner installation. Moreover, ultra-absorbent yarn located in each buffer tube instead of gel provides the same water blocking performance, but lighter and craft-friendly. Additional water-blocking material for more perfect moisture protection outside the tubes and on wrapping the cable core is included.

Furthermore, the SZ Stranded multi tube structure enables the fibers be dropped-off by each of their groups at different points with no interference to one another, allowing quick and easy mid span access.

Features

Water Proof
Long product life

Quick Identification
Color-Coded Fiber

Durable design
UV resistance

All-Dielectric
No effect to electric lines

Easy to handle
Flexible & Light weight

Easy Preparation
All-Dry Block

Cost Saving
Fast Splicing

Eco-friendly
Gel free material

Applications

- Outside plant
- Lashed
- Duct
- Rodent habitat

Standards & Certifications

- [ITU-T G.650] [IEC 60793, 60794]
- [ANSI/ICEA S-87-640] [Telcordia GR-20]
- [ISO 9001, 14001, 45001] [TL 9000]

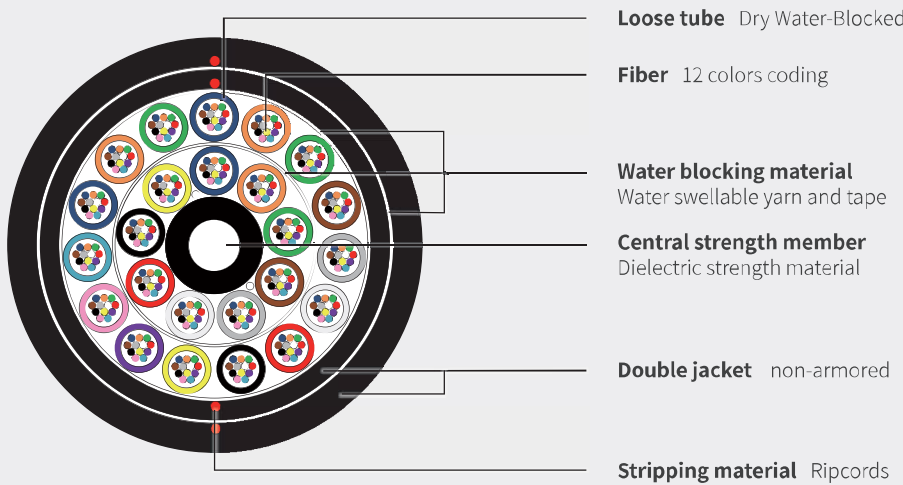
Physical Characteristics					
Fiber Count	12~72	84~96	108~144	192~216	240~288
No. of Fiber Per Tube	12				
Nominal Diameter (mm)	11.7 (0.488 inch)	13.3 (0.531 inch)	16.6 (0.650 inch)	17.0 (0.681 inch)	19.4 (0.752 inch)
Nominal Weight (kg/km)	132 (89 lbs/1000'ft)	154 (103 lbs/1000'ft)	232 (156 lbs/1000'ft)	215 (145 lbs/1000'ft)	277 (186 lbs/1000'ft)
Number of tube position (ea)	6	8	12	18	24
Number of active tube (ea)	1~6	7~8	9~12	16~18	20~24
Fiber coloring (01~12)	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua				
Tube coloring (01~12)	01~12* : Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua				

- Tube identification with one black stripe (In case of Black tube with white stripe)
- Besides, relatively high fiber count accommodation is also available in this structure.

Mechanical and Environmental Characteristics	
Tensile Strength	Installation (Short Term) : 2700N (600lbs) Residual (Long Term) : 800N (180lbs)
Temperature range	Storage -40°C to +70°C [-40°F to +158°F] Installation -30°C to +60°C [-22°F to +140°F] Operation -40°C to +70°C [-40°F to +158°F]

► All Specification Can Be Customized

MULTI LT DOUBLE JACKET NON ARMORED



Description

The double jacket non armored multi loose tube cable is a reliable OSP cabling solution for duct and lashed deployments. This cable is totally made of dielectric materials. The double jacket construction gives this cable extra protection against crush while allowing durability and ease of stripping.

This total gel-free construction makes this cable very easy to handle allowing effortless splice preparation which results on a faster and cleaner installation. Moreover, ultra-absorbent yarn located in each buffer tube instead of gel provides the same water blocking performance, but lighter and craft-friendly. Additional water-blocking material for more perfect moisture protection outside the tubes and on wrapping the cable core is included.

Furthermore, the SZ Stranded multi tube structure enables the fibers be dropped-off by each of their groups at different points with no interference to one another, allowing quick and easy mid span access. Besides, relatively high fiber count accommodation is also available in this structure.

Features

Water Proof
Long product life

Quick Identification
Color-Coded Fiber

Durable design
UV resistance

All-Dielectric
No effect to electric lines

Easy to handle
Flexible & Light weight

Excellent flexibility
Easy to install

Cost Saving
Fast Splicing

Eco-friendly
Gel free material

Easy Preparation
All-Dry Block

Applications

- Outside plant
- Lashed
- Duct

Standards & Certifications

- [ITU-T G.650] [IEC 60793, 60794]
- [ANSI/ICEA S-87-640] [Telcordia GR-20]
- [ISO 9001, 14001, 45001] [TL 9000]

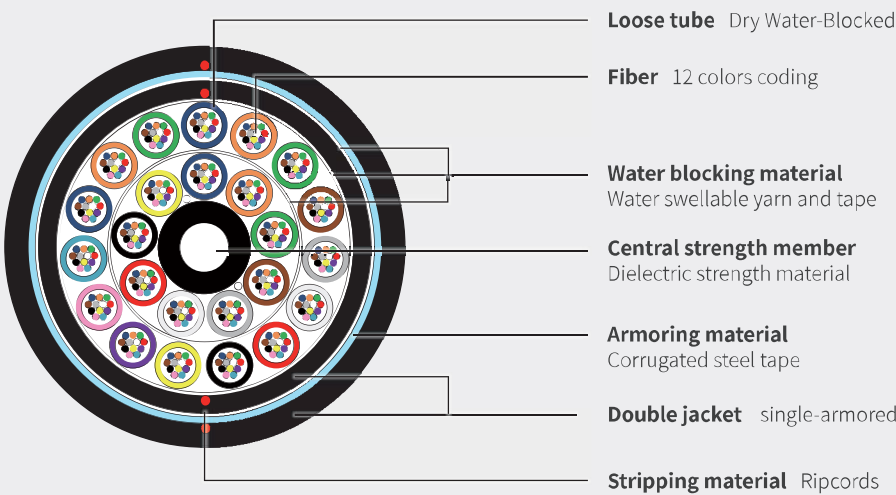
Physical Characteristics				
Fiber Count	12~72	96	144	288
No. of Fiber Per Tube	12			
Nominal Diameter (mm)	12.8 (0.504 inch)	14.5 (0.571 inch)	17.4 (0.6895 inch)	20.4 (0.803 inch)
Nominal Weight (kg/km)	115 (77 lbs/1000'ft)	145 (97 lbs/1000'ft)	210 (141 lbs/1000'ft)	280 (188 lbs/1000'ft)
Number of tube position (ea)	6	8	12	24
Number of active tube (ea)	1~6	8	12	24
Fiber coloring (01~12)	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua			
Tube coloring (01~12)	01~12* : Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua			

- Tube identification with one black stripe (In case of Black tube with white stripe)
- Besides, relatively high fiber count accommodation is also available in this structure.

Mechanical and Environmental Characteristics	
Tensile Strength	Installation (Short Term) : 2700N (600lbs) Residual (Long Term) : 800N (180lbs)
Temperature range	Storage -40°C to +70°C [-40°F to +158°F] Installation -30°C to +60°C [-22°F to +140°F] Operation -40°C to +70°C [-40°F to +158°F]

- All Specification Can Be Customized

MULTI LT DOUBLE JACKET SINGLE ARMORED



Description

The double jacket single armored multi loose tube cable is a reliable OSP cabling solution for duct, underground and lashed deployments. This cable construction's advantage is that the corrugated steel tape and doble jacket layers combination provides mechanical protection and rodent resistance against harsh outdoor conditions while allowing durability and ease of stripping. These aspects allow the cable be installed as direct buried by plowing or trenching. This total gel-free construction makes this cable very easy to handle allowing effortless splice preparation which results on a faster and cleaner installation. Moreover, ultra-absorbent yarn located in each buffer tube instead of gel provides the same water blocking performance, but lighter and craft-friendly. Additional water-blocking material for more perfect moisture protection outside the tubes and on wrapping the cable core is included. Furthermore, the SZ Stranded multi tube structure enables the fibers be dropped-off by each of their groups at different points with no interference to one another, allowing quick and easy mid span access. Besides, relatively high fiber count accommodation is also available in this structure.

Features

Water Proof
Long product life

Quick Identification
Color-Coded Fiber

Durable design
UV resistance

Robust Design
Armored cable

Applications

- Outside plant
- Lashed
- Direct buried
- Rodent habitat
- Duct

Standards & Certifications

- [ITU-T G.650] [IEC 60793, 60794]
- [ANSI/ICEA S-87-640] [Telcordia GR-20]
- [ISO 9001, 14001, 45001] [TL 9000]

Physical Characteristics				
Fiber Count	12~72	96	144	288
No. of Fiber Per Tube	12			
Nominal Diameter (mm)	12.8 (0.504 inch)	14.5 (0.571 inch)	17.4 (0.6895 inch)	20.4 (0.803 inch)
Nominal Weight (kg/km)	115 (77 lbs/1000'ft)	145 (97 lbs/1000'ft)	210 (141 lbs/1000'ft)	280 (188 lbs/1000'ft)
Number of tube position (ea)	6	8	12	24
Number of active tube (ea)	1~6	8	12	24
Fiber coloring (01~12)	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua			
Tube coloring (01~12)	01~12* : Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua			

Mechanical and Environmental Characteristics	
Tensile Strength	Installation (Short Term) : 2700N (600lbs) Residual (Long Term) : 800N (180lbs)
Temperature range	Storage -40°C to +70°C [-40°F to +158°F] Installation -30°C to +60°C [-22°F to +140°F] Operation -40°C to +70°C [-40°F to +158°F]

- Tube identification with one black stripe (In case of Black tube with white stripe)
- Besides, relatively high fiber count accommodation is also available in this structure.

Single-Mode Fiber	Fiber Standards	Wavelengths (nm)	Maximum Cable on Reel Attenuation (dB/km)
ANYWAVE D	G.652.D	1310/1383/1550	0.35/0.35/0.25
ANYWAVE FLEX A1	G.657.A1	1310/1383/1550	0.35/0.35/0.25
ANYWAVE FLEX A2	G.657.A2	1310/1383/1550	0.35/0.35/0.25
ANYWAVE REACH	G.655	1550	0.25
Multi-Mode Fiber	Fiber Standards	Wavelengths (nm)	Maximum Cable on Reel Attenuation (dB/km)
62.5um fiber	OM1	850/1300	3.0/1.0
50um fiber	OM2	850/1300	3.0/1.0

► All Specification Can Be Customized