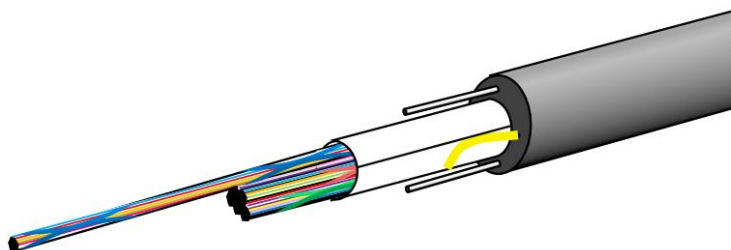
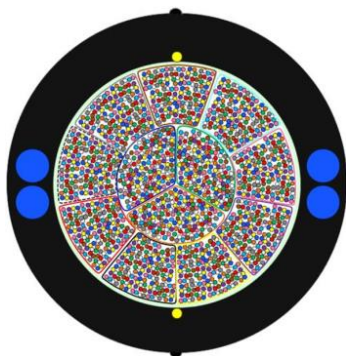


# Fiber Optic Cable

Outdoor	Outdoor WTC™ 144-6912F
	Single Jacket Single Armor WTC™
	Conventional Double Jacket Armored Outdoor WTC™ 24 – 864F
Indoor/Outdoor	Indoor/Outdoor WTC™ 144-6912F
Indoor	Indoor WTC™ 144-6912F
Microduct	Air Blow WTC™ 48-864F
Aerial cable	Self-Supporting Wire WTC™ 24F



## Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™) Outdoor WTC™ 144 – 6912F



The Wrapping Tube Cable (WTC™) with Spider Web Ribbon (SWR™) is an ultra-high density outside plant cable designed for fiber-to-the-home (FTTH), access markets, and data centers. It complies with the latest outside plant cable standard, Telcordia GR-20. WTC™ with SWR™ offers the smallest cable diameter and lowest weight among high-fiber count ribbon cables in the industry. It is available in fiber counts ranging from 144 to 6,912.

SWR™ is an intermittent bonded ribbon fiber design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. With the ability to roll and conform, the SWR™ provides ultra high density fiber packaging in the WTC™.

### Features

- UV Resistant
- Full dry (gel-free) construction
- Fully dielectric
- Mid Span Access

### Application

- Duct
- Aerial

### Physical & Mechanical Characteristics

			144F	288F	432F	576F	864F	1152F	1728F	3456F	6912F
Cable diameter (in approx.)		mm (in.)	11.0 (0.414)	12.0 (0.473)	13.5 (0.537)	15.0 (0.591)	17.5 (0.689)	18.5 (0.729)	21.5 (0.847)	26.5 (1.044)	29.8 (1.174)
Cable weight (in approx.)		kg/km (lbs/1000ft)	85 (57)	105 (71)	135 (91)	165 (111)	215 (144)	240 (161)	300 (202)	435 (292)	640 (463)
Fiber counts in bundle unit			-		72F			144F			288F
Number of bundled units			-		6	8	12	8	12	24	
Tensile performance (*1)	Short term(*2)	N	2700								
	Long term	N	810								
Bending radius(*1)	Cyclic flexing	mm	110	120	135	150	175	185	215	265	300
	Cable bend	mm	110	180	203	225	263	278	332	397	450
Compressive Strength(*1)		N/100mm	2200								
Impact resistance(*1)		N •m	4.4								

\*1. Reference standard : Telcordia GR-20

\*2. Please follow the appropriate procedure that Fujikura recommends for pulling cable



Contact us

## Optical Fiber Characteristics

Fiber Count	Fiber Diameter	Fiber Pitch	Fiber Type	MFD	Maximum Attenuation (Cabled) (dB/km)		
					1310 nm	1383 nm (*3, 4)	1550 nm
144F to 864F	250 μm	250 μm	Ace (ITU-T G.652.D and G.657.A1)	9.2 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30
144F to 1152F	250 μm	250 μm	SR15E (ITU-T G.652.D and G.657.A1)	8.6 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30
1728F and 3456F	200 μm	250 μm	SR15E-200 (ITU-T G.652.D and G.657.A1)	8.6 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30
6912F	200 μm	200 μm	BIS-B-P200 (ITU-T G.652.D and G.657.A2)	8.6 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30

























\*3. The value after hydrogen aging in optical fiber in accordance with IEC 60793-2-50 test procedure.

\*4. The value before coloring process



## Fiber Colors in 12F SWR

No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11	No.12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Turquoise

## Stripe Ring Mark (\*5, 6)

SWR No.1 	SWR No.2 	SWR No.3 	SWR No.4 	SWR No.5 	SWR No.6 
SWR No.7 	SWR No.8 	SWR No.9 	SWR No.10 	SWR No.11 	SWR No.12 
SWR No.13 	SWR No.14 	SWR No.15 	SWR No.16 	SWR No.17 	SWR No.18 
SWR No.19 	SWR No.20 	SWR No.21 	SWR No.22 	SWR No.23 	SWR No.24 

\*5. Each block denotes "5" and each bar denotes "1".

\*6. The order of block and bar for SWR may be reversed in the cable (e.g. No.6 may be  or )

## Environmental Characteristics

Temperature cycling	Installation	-30°C to 60°C (-22°F to +140°F)
	Operation	-40°C to 70°C (-40°F to +158°F)
	Transportation/Storage	-40°C to 70°C (-40°F to +158°F)

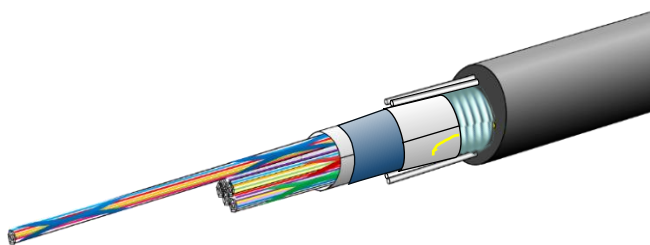
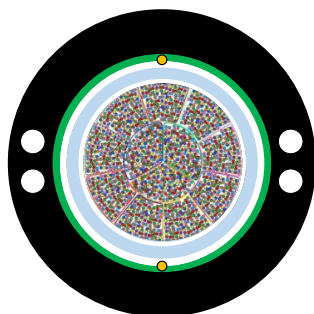
## Qualifications

Governing Body	Standard Code
Telcordia	GR-20



Contact us

## Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™) Single Jacket Single Armor Outdoor WTC™ 144 – 432F



The Wrapping Tube Cable (WTC™) with Spider Web Ribbon (SWR™) is an ultra-high density outside plant cable designed for fiber-to-the-home (FTTH), access markets, and data centers. It complies with the latest outside plant cable standard, Telcordia GR-20. It is available in fiber counts ranging from 144 to 432.

SWR™ is an intermittent bonded ribbon fiber design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. With the ability to roll and conform, the SWR™ provides ultra high density fiber packaging in the WTC™.

SJSA-WTC™ uses a single-jacket (sheath) structure instead of conventional double-jacket (sheath) structure. We achieved a lightweight optical fiber cable with a world-class small diameter. It can be used in environments where mechanical strength is required, such as along railway tracks, buried directly in the soil, and in rural/underground areas where there is a risk of wildlife damage by rodents. Additionally, the accessibility to optical fibers from cables by removing jacket is greatly improved compared to existing products.

### Features

- UV Resistant
- Rodent Resistant
- Full dry (gel-free) construction
- Mid Span Access

### Application

- Duct
- Direct buried

### Physical & Mechanical Characteristics

			144F	288F	432F
Cable diameter (in approx.)	Mm (in.)		14.0 (0.551)	14.5 (0.571)	16.0 (0.630)
Cable weight (in approx.)	kg/km (lbs/1000ft)		175 (118)	190 (121)	220 (148)
Fiber counts in bundled unit			-		72F
Number of bundled unit			-		6
Tensile performance (*1)	Short term(*2)	N	2700		
	Long term	N	810		
Bending radius(*1)	Cyclic flexing	mm	140	145	160
	Cable bend	mm	140	218	240
Compressive strength(*1)		N/100mm	2200		
Impact resistance(*1)		N · m	4.4		

\*1. Reference standard : Telcordia GR-20

\*2. Please follow the appropriate procedure that Fujikura recommends for pulling cable



Contact us

## Optical Fiber Characteristics

Fiber Count	Fiber Diameter	Fiber Pitch	Fiber Type	MFD	Maximum Attenuation (Cabled) (dB/km)		
					1310 nm	1383 nm (*3, 4)	1550 nm
144F to 864F	250 μm	250 μm	Ace (ITU-T G.652.D and G.657.A1)	9.2 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30

\*3. The value after hydrogen aging in optical fiber in accordance with IEC 60793-2-50 test procedure.

\*4. The value before coloring process

## Fiber Colors in 12F SWR

No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11	No.12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Turquoise

## Stripe Ring Mark (\*5, 6)

SWR No.1 	SWR No.2 	SWR No.3 	SWR No.4 	SWR No.5 	SWR No.6 
SWR No.7 	SWR No.8 	SWR No.9 	SWR No.10 	SWR No.11 	SWR No.12 
SWR No.13 	SWR No.14 	SWR No.15 	SWR No.16 	SWR No.17 	SWR No.18 
SWR No.19 	SWR No.20 	SWR No.21 	SWR No.22 	SWR No.23 	SWR No.24 

\*5. Each block denotes "5" and each bar denotes "1".

\*6. The order of block and bar for SWR may be reversed in the cable (e.g. No.6 may be or ).

## Environmental Characteristics

Temperature cycling	Installation	-30°C to 60°C (-22°F to +140°F)
	Operation	-40°C to 70°C (-40°F to +158°F)
	Transportation/Storage	-40°C to 70°C (-40°F to +158°F)

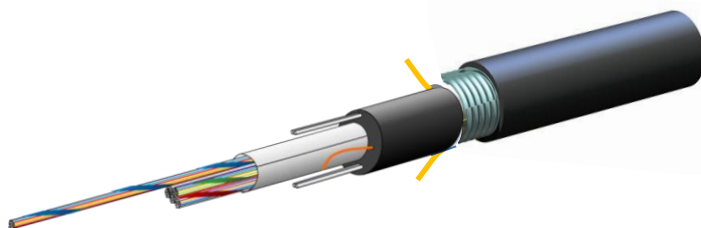
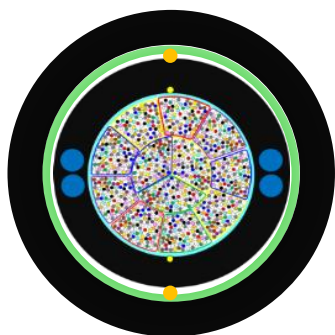
## Qualifications

Governing Body	Standard Code
Telcordia	GR-20



Contact us

## Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™) Conventional Double Jacket Armored Outdoor WTC™ 24 – 864F



The Wrapping Tube Cable (WTC™) with Spider Web Ribbon (SWR™) is an ultra-high density outside plant cable designed for fiber-to-the-home (FTTH), access markets, and data centers. It complies with the latest outside plant cable standard, Telcordia GR-20. WTC™ with SWR™ offers the smallest cable diameter and lowest weight among high-fiber count ribbon cables in the industry. It is available in fiber counts ranging from 24 to 864.

SWR™ is an intermittent bonded ribbon fiber design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. With the ability to roll and conform, the SWR™ provides ultra high density fiber packaging in the WTC™.

Armored Outdoor WTC™ provide extra protection and durability in harsh environments. Encased in a robust corrugated steel armor, these cables are resistant to physical damage, moisture, and other external factors. Ideal for industrial settings and outdoor installations, armored cables offer reliable and long-lasting connectivity for critical applications.

### Features

- UV Resistant
- Rodent Resistant
- Full dry (gel-free) construction
- Mid Span Access

### Application

- Duct
- Direct buried

### Physical & Mechanical Characteristics

			24F	48F	72F	96F	144F	288F	432F	576F	864F
Cable diameter (in approx.)	Mm		14.0	14.5	14.5	15.0	15.5	17.5	19.0	20.5	23.0
	(in.)		(0.551)	(0.571)	(0.571)	(0.591)	(0.621)	(0.689)	(0.749)	(0.808)	(0.906)
Cable weight (in approx.)	kg/km		165	180	185	185	215	255	300	350	425
	(lbs/1000ft)		(111)	(121)	(125)	(125)	(145)	(171)	(202)	(235)	(286)
Fiber counts in bundled unit			-	-	-	-	-	-	72F		
Number of bundled unit			-	-	-	-	-	-	6	8	12
Tensile performance (*1)	Short term(*2)	N	1600					2700			
	Long term	N	480					800			
Bending radius(*1)	Cyclic flexing	mm	140	145	145	150	155	175	190	205	230
	Cable bend	mm	140	145	145	150	155	262	285	307	345
Compressive strength(*1)		N/100mm	2200								
Impact resistance(*1)		N · m	4.4								

\*1. Reference standard : Telcordia GR-20

\*2. Please follow the appropriate procedure that Fujikura recommends for pulling cable



Contact us

## Optical Fiber Characteristics

Fiber Count	Fiber Diameter	Fiber Pitch	Fiber Type	MFD	Maximum Attenuation (Cabled) (dB/km)		
					1310 nm	1383 nm (*3, 4)	1550 nm
24F to 864F	250 μm	250 μm	SR15E (ITU-T G.652.D and G.657.A1)	8.6 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30
144F to 864F	250 μm	250 μm	Ace (ITU-T G.652.D and G.657.A1)	9.2 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30
























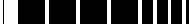
\*3. The value after hydrogen aging in optical fiber in accordance with IEC 60793-2-50 test procedure.

\*4. The value before coloring process



## Fiber Colors in 12F SWR

No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11	No.12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Turquoise

## Stripe Ring Mark (\*5, 6)

SWR No.1 	SWR No.2 	SWR No.3 	SWR No.4 	SWR No.5 	SWR No.6 
SWR No.7 	SWR No.8 	SWR No.9 	SWR No.10 	SWR No.11 	SWR No.12 
SWR No.13 	SWR No.14 	SWR No.15 	SWR No.16 	SWR No.17 	SWR No.18 
SWR No.19 	SWR No.20 	SWR No.21 	SWR No.22 	SWR No.23 	SWR No.24 

\*5. Each block denotes "5" and each bar denotes "1".

\*6. The order of block and bar for SWR may be reversed in the cable (e.g. No.6 may be  or 

## Environmental Characteristics

Temperature cycling	Installation	-30°C to 50°C (-22°F to +122°F)
	Operation	-40°C to 60°C (-40°F to +140°F)
	Transportation/Storage	-40°C to 60°C (-40°F to +140°F)

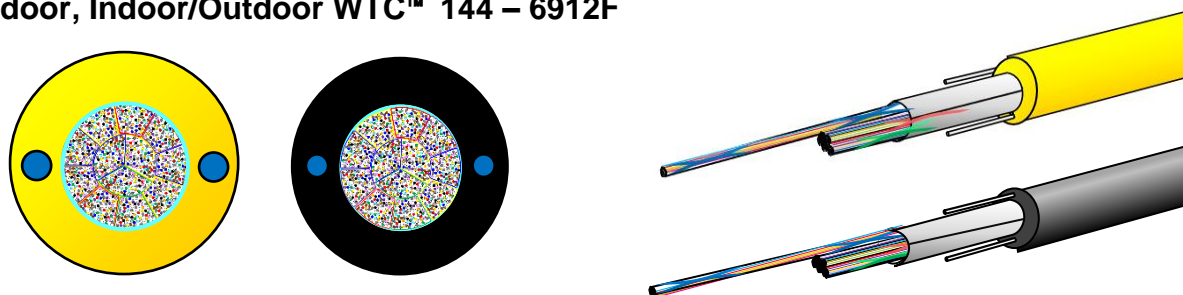
## Qualifications

Governing Body	Standard Code
Telcordia	GR-20



Contact us

## Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™) Indoor, Indoor/Outdoor WTC™ 144 – 6912F



The Wrapping Tube Cable (WTC™) with Spider Web Ribbon (SWR™) is an ultra-high density cable designed for fiber-to-the-home (FTTH), access markets, and data centers. WTC™ with SWR™ offers the smallest cable diameter and lowest weight among high-fiber count ribbon cables in the industry. It is available in fiber counts ranging from 144 to 6,912.

SWR™ is an intermittent bonded fiber ribbon design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. With the ability to roll and conform, the SWR™ provides ultra high density fiber packaging in the WTC™.

Indoor, Indoor/Outdoor WTC™ are compliant to requirements of both the European construction products regulation (CPR) and the North American standard UL. This incorporates the leading-edge Spider Web Ribbon technology in a robust, flame-retardant cable package that can be used within buildings and, because of the core water-blocking feature, can also be routed outside provided the cable is housed within covered pathway spaces including duct-banks and cable trays.

### Features

- UV Resistant (for Indoor/Outdoor)
- Full dry (gel-free) construction
- Mid Span Access
- Fully dielectric
- OFNR-ST1
- CPR Certified
- Splicing compatibility with 250µm Ribbon

### Application

- Indoor, Indoor/Outdoor installation
- Riser for vertical use in shafts or from floor to floor

### Physical & Mechanical Characteristics

Fiber count			144F	192F	288F	432F	576F	864F	1152F	1728F	2880F	3456F	6912F
Cable diameter (in approx.)		mm (in.)	12.5 (0.492)	13.0 (0.512)	13.0 (0.512)	14.5 (0.571)	15.5 (0.610)	17.0 (0.669)	18.0 (0.709)	21.5 (0.846)	25.0 (0.984)	25.5 (1.004)	34.5 (1.358)
Cable weight (in approx.)		kg/km (lbs/1000ft)	165 (111)	175 (118)	190 (128)	215 (145)	240 (161)	290 (219)	325 (717)	475 (320)	615 (414)	675 (454)	955 (642)
Fibers per bundled unit			-			72F			144F		288F	144F	288F
Number of bundled units			-			6	8	12	8	12	10	24	24
Tensile performance (*1)	Short term(*2)	N	1300					2700					
	Long term	N	399					810					
Bending radius(*1)	Cyclic Flexing	mm	125	130	130	145	155	170	180	215	250	270	345
	Cable bend	mm	125	130	130	145	155	170	180	215	250	270	345
Compressive strength(*1)		N/100mm	2200										
Impact resistance(*1)		N · m	4.4										

\*1. Reference standard : ANSI/ICEA S-104-696

\*2. Please follow the appropriate procedure that Fujikura recommends for pulling cable



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### Optical Fiber Characteristics

Fiber Count	Fiber Diameter	Fiber Pitch	Fiber Type	MFD	Maximum Attenuation (Cabled) (dB/km)		
					1310 nm	1383 nm (*3, 4)	1550 nm
144F to 6912F	200 μm	250 μm	SR15E-200 (ITU-T G.652.D and G.657.A1)	8.6 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30

\*3. The value after hydrogen aging in optical fiber in accordance with IEC 60793-2-50 test procedure.

\*4. The value before coloring process

### Fiber Colors in 12F SWR

No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11	No.12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Turquoise

### Stripe Ring Mark (\*5, 6)

SWR No.1	SWR No.2	SWR No.3	SWR No.4	SWR No.5	SWR No.6
■	■■	■■■	■■■■	■	■■
SWR No.7	SWR No.8	SWR No.9	SWR No.10	SWR No.11	SWR No.12
■■■	■■■■	■■■■■	■■■	■■■	■■■■
SWR No.13	SWR No.14	SWR No.15	SWR No.16	SWR No.17	SWR No.18
■■■■■	■■■■■■	■■■■	■■■■■	■■■■■	■■■■■■
SWR No.19	SWR No.20	SWR No.21	SWR No.22	SWR No.23	SWR No.24
■■■■■■■	■■■■■	■■■■■	■■■■■	■■■■■■■	■■■■■■■

\*5. Each block denotes "5" and each bar denotes "1".

\*6. The order of block and bar for SWR may be reversed in the cable (e.g. No.6 may be ■■ or ■■■)

### Environmental Characteristics

Temperature cycling	Installation	-30°C to 60°C (-22°F to +140°F)
	Operation	-40°C to 70°C (-40°F to +158°F)
	Transportation/Storage	-40°C to 70°C (-40°F to +158°F)

Reference standard : ANSI/ICEA S-104-696

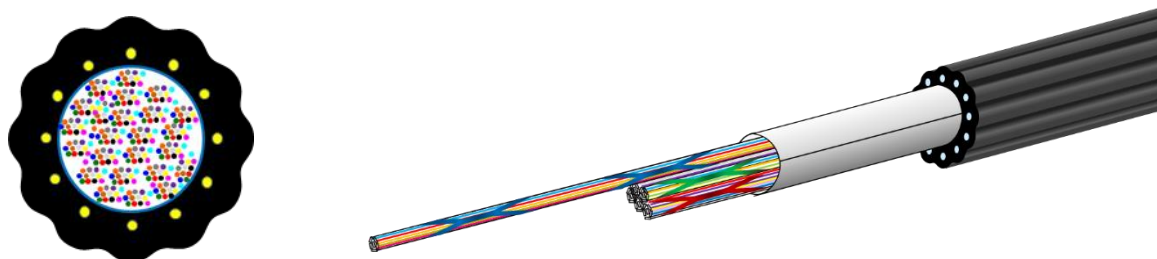
### Flame Retardant Characteristics

Fiber count	144, 192, 288, 432, 576, 864, 1152, 1728F	2880, 3456, 6912F
EN13501-6 Classification	Cca-s1b,d1,a1	Cca-s1,d0,a1
Vertical test	UL 1666	
Fire propagation with smoke-release test	UL 1685	



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## Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™) Air Blown WTC™ 48 – 864F



The Wrapping Tube Cable (WTC™), with Spider Web Ribbon (SWR™), is an ultra-high density outside plant cable designed specifically for fiber-to-the-home (FTTH), access markets, and hyperscale data center. Ultra-high density and a new ribbon technology called Spider Web Ribbon, WTC provides the smallest cable diameter and lowest weight, high-fiber count ribbon cable in the industry. WTC™ with SWR™ cables are available in fiber counts from 48 to 864.

SWR™ is a bonded fiber ribbon design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. With the ability to roll and conform, the SWR™ provides ultra high density fiber packaging in the WTC™.

Air Blown WTC™ is designed for easy installation using air blowing installation method. These cables have a lightweight and flexible construction, allowing them to be blown through pre-installed microducts or tubes. The compressed air creates a pathway for the cable, eliminating the need for traditional cable pulling methods. This technology enables quick and efficient deployment of fiber optic networks, saving time and reducing installation costs.

### Features

- Air blown installation
- UV Resistant
- Full dry (gel-free) construction
- Fully dielectric
- Splicing compatibility with 250µm Ribbon
- Mid Span Access

### Application

- Microduct

### Physical & Mechanical Characteristics

			48F	72F	96F	144F	192F	288F	432F	576F	864F
Cable diameter (in approx.)		mm (in.)	6.1 (0.240)			6.6 (0.260)	7.3 (0.288)	8.1 (0.319)	9.7 (0.382)	10.7 (0.422)	12.3 (0.485)
Cable weight (in approx.)		kg/km (lbs/1000ft)	25 (17)			30 (21)	36 (25)	45 (31)	65 (44)	80 (54)	105 (71)
Fiber counts in bundled units			-				48F	72F			
Number of bundled units			-				4		6	8	12
Tensile performance(*1)	Short term	N	245			294	353	441	637	784	1030
Bending radius(*1)	Cyclic flexing	mm	122			132	146	162	194	214	246
	Cable bend	mm	122			132	146	162	194	214	246
Compressive Strength(*1)		N/ 100mm	500								
Impact resistance(*1)		N•m	1								

\*1. Reference standard : IEC 60794-1-21



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### Optical Fiber Characteristics

Fiber Count	Fiber Diameter	Fiber Pitch	Fiber Type	MFD	Maximum Attenuation (Cabled) (dB/km)		
					1310 nm	1383 nm (*2, 3)	1550 nm
48F to 864F	200 μm	250 μm	SR15E-200 (ITU-T G.652.D and G.657.A1)	8.6 ± 0.4 μm	≤ 0.40	≤ 0.40	≤ 0.30













\*2. The value after hydrogen aging in optical fiber in accordance with IEC 60793-2-50 test procedure.

\*3. The value before coloring process



### Fiber Colors in 12F SWR

No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8	No.9	No.10	No.11	No.12
Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Turquoise

### Stripe Ring Mark (\*4, 5)

SWR No.1	SWR No.2	SWR No.3	SWR No.4	SWR No.5	SWR No.6
					
SWR No.7	SWR No.8	SWR No.9	SWR No.10	SWR No.11	SWR No.12
					

\*4. Each block denotes "5" and each bar denotes "1".

\*5. The order of block and bar for SWR may be reversed in the cable (e.g. No.6 may be  or .

### Environmental Characteristics

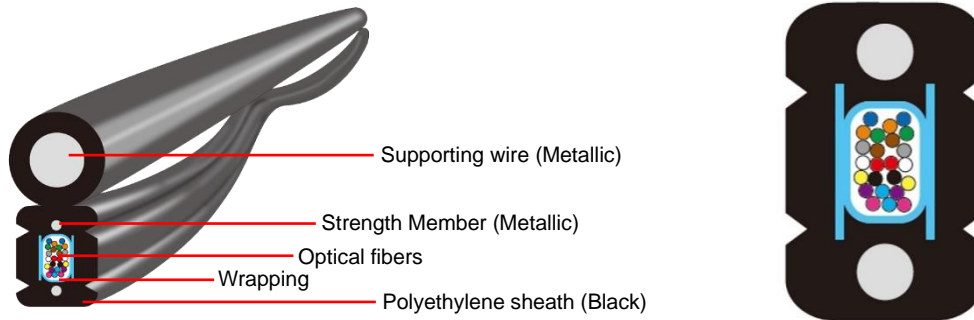
Temperature cycling(*6)	-30°C to 70°C (-22°F to +158°F)
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\*6. Reference: IEC 60794-1-22



Contact us

## Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™) Self-Supporting Wire WTC™ 24F



\* Suitable fillers may be included if necessary.

The Wrapping Tube Cable (WTC™) with Spider Web Ribbon (SWR™) is an ultra-high density outside plant cable designed for fiber-to-the-home (FTTH), access markets, and data centers. SWR™ is an intermittent bonded ribbon fiber design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. With the ability to roll and conform, the SWR™ provides ultra high-density fiber packaging in the WTC™.

Self-Supporting Wire WTC™ cable solution offers a flexible and efficient approach to deployment and reconfiguration. By enabling freedom of design, it reduces CAPEX, as proven by end-users who have achieved significant savings. The "Pay-&-Build-As-You-Grow" model ensures cost-effective scalability, positively impacting both CAPEX and OPEX expenditure. With easy training, short project schedules, and a fine-tuned FTTH solution, our technology simplifies implementation while prioritizing drop technology alongside distribution. We eliminate the need for specialized tools or personnel, making installation accessible to all.

### Features

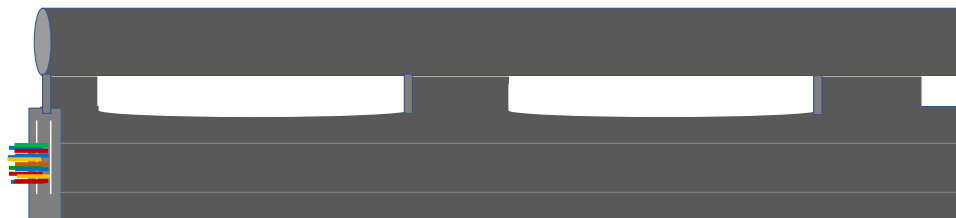
- UV Resistant
- Full dry (gel-free) construction
- Mid Span Access
- Reduced wind load
- Pay-&- build –As –you Grow
- Freedom of network design

### Application

- Aerial

### Window design

Self-Supporting Wire-WTC™ bonds to the supporting wire intermittently, and there is a slack between bonded point. it allows mid span access installation and realizes easy access to the fiber after deploying the cable to the filed.

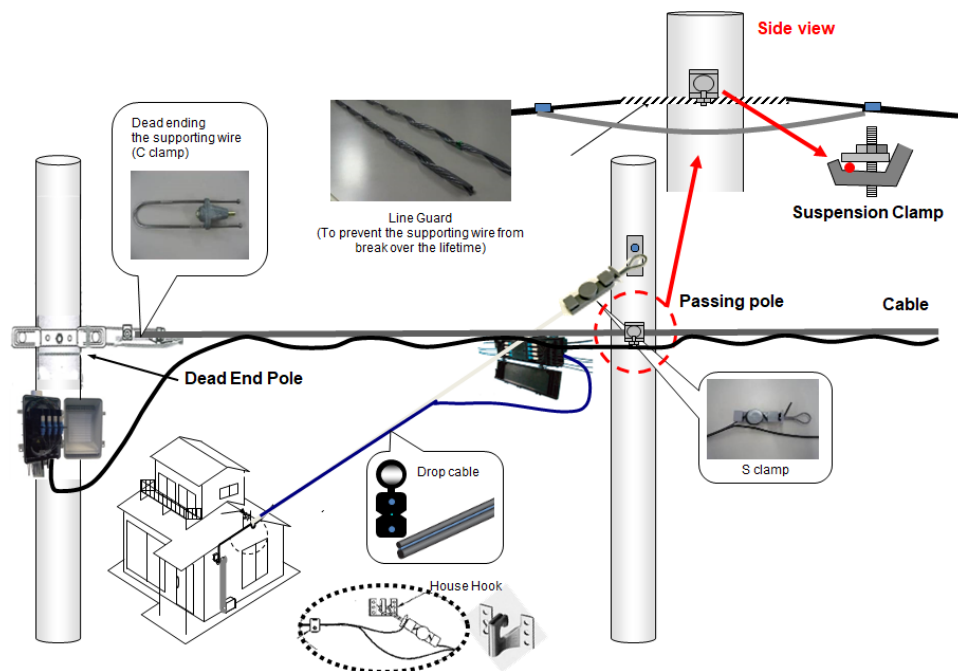


- Self supporting aerial cable with even spaced windows between supporting wire & optical cable. It reduces almost 20% of the wind load.
- This design provides better aerodynamic characteristics & reduce fiber bends.
- Lower wind load enables lighter poles & longer lifetime for aerial infrastructures.
- Designed in excess cable/fiber length helps mid-span branching installation & reduce fiber strain on installed cable.



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## Sample installation of Self-Supporting Wire WTC™



## Physical & Mechanical Characteristics

			OG12WTGDE-SSW SR15E×24C
Fiber count	-		24
Cable dimensions	mm		Approx. 3.5 x 5.5
Cable dimension (with supporting wire)	mm		Approx. 4.0 x 10.5
Cable weight	kg/km		Approx. 75
Permissible tensile strength	N		3000
Permissible bending radius	with supporting wire	mm	260
	without supporting wire	mm	100

## Optical Fiber Characteristics

Fiber Count	Fiber Diameter	Fiber Pitch	Fiber Type	MFD	Maximum Attenuation (Cabled) (dB/km)		
					1310 nm	1383 nm (*1, 2)	1550 nm
24F	250μm	250μm	ITU-T G.652.D and G.657.A1	8.6±0.4μm	≤ 0.40	≤ 0.40	≤ 0.30

\*1. The value after hydrogen aging in optical fiber in accordance with IEC 60793-2-50 test procedure.

\*2. The value before coloring process

## Environmental Characteristics

Temperature	Installation	-10°C to 50°C
	Operation	-30°C to 70°C
	Transportation/Storage	-30°C to 70°C



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