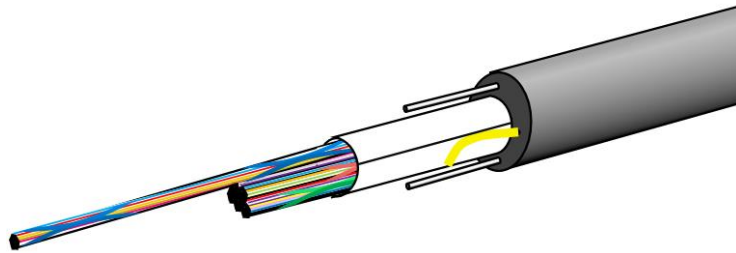
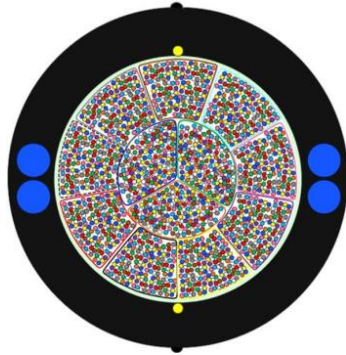


**Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™)
Outdoor WTC™ 144 – 6912F**



The Wrapping Tube Cable (WTC™), with Spider Web Ribbon (SWR™), is an ultra-high density outside plant cable designed specifically for fiber-to-the-home (FTTH), access markets, and hyperscale data center. It is compliant with the latest issue of the outside plant cable standard, Telcordia GR-20. With an 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 144 to 6,912.

SWR™ is a bonded fiber ribbon design allowing for either a highly efficient ribbon splicing or an individual fiber breakout splicing process. This flexibility allows for a single cable design to cover a diverse set of applications from access networks to high-fiber count mass fusion splicing. With the ability to roll and conform, the SWR® provides for ultra high density 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	3456	6912F	
Cable diameter (in approx.)	Mm		10.5	12.0	13.5	15.0	17.5	18.5	21.5	26.5	29.8	
	(in.)		(0.414)	(0.473)	(0.537)	(0.591)	(0.689)	(0.729)	(0.847)	(1.044)	(1.378)	
Cable weight (in approx.)	kg/km		85	105	135	165	215	240	300	435	640	
	(lbs/1000ft)		(57)	(71)	(91)	(111)	(144)	(161)	(202)	(292)	(463)	
Tensile performance	Short term*2	N	2700									
	Long term	N	810									
Bending radius	Cyclic flexing	mm	105	120	135	150	175	185	215	265	350	
	Cable bend	mm	210	180	203	225	263	278	332	397	525	
Fiber counts in bundle unit			-			72F			144F			288F
Number of bundled units			-			6	8	12	8	12	24	
Compressive Strength*1	N/100mm		2200									
Impact resistance	N·m		4.4									

*1. Reference standard : Telcordia GR-20

*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	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 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

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*3, 4

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 

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

*4. 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



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