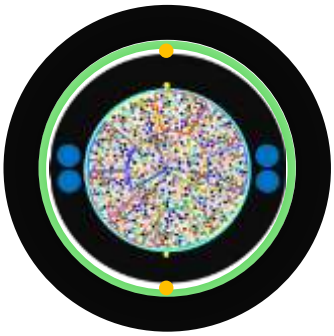
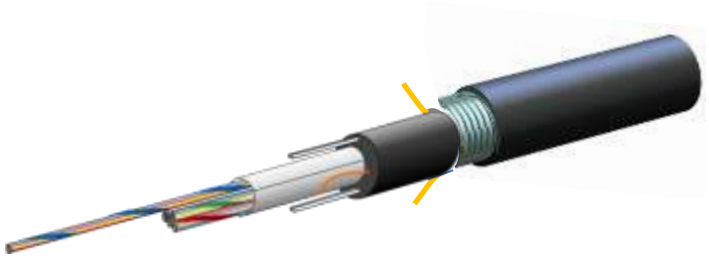
Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™) Armored Outdoor WTC™ 24 – 864F





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
- Fully dielectric
- Mid Span Access

Application

- Duct
- Direct buried

Physical & Mechanical Characteristics

			24F	48F	72F	96F	144F	288F	432F	576F	864F
Cable diameter (in approx.)		Mm (in.)	14.0 (0.551)	14.5 (0.571)	14.5 (0.571)	15.0 (0.591)	15.5 (0.621)	17.5 (0.689)	19.0 (0.749)	20.5 (0.808)	23.0 (0.906)
Cable weight (in approx.)		kg/km (lbs/1000ft)	165 (111)	180 (121)	185 (125)	185 (125)	215 (145)	255 (171)	300 (202)	350 (235)	425 (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

Contact us

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

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

Optical Fiber Characteristics

***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

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