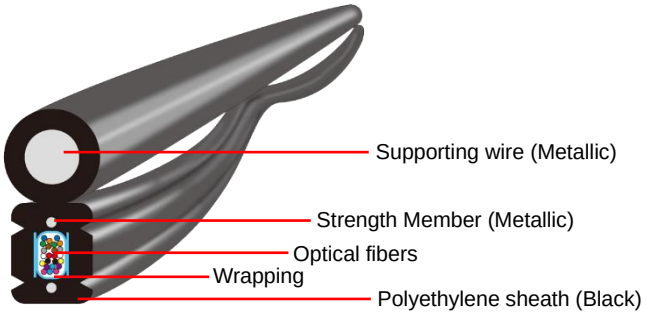
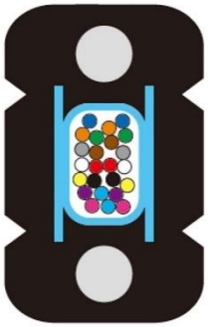
Wrapping Tube Cable (WTC™) with 12 Fiber Spider Web Ribbon (SWR™)
Self-Supporting Wire WTC™ 24F





* 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

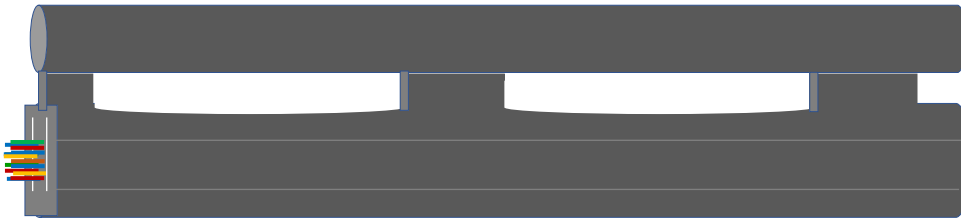
- UV Resistant
- Full dry (gel-free) construction
- Mid Span Access
- Reduced wind load
- Pay-&- build –As –you Grow
- Freedom of network design

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.

Contact us

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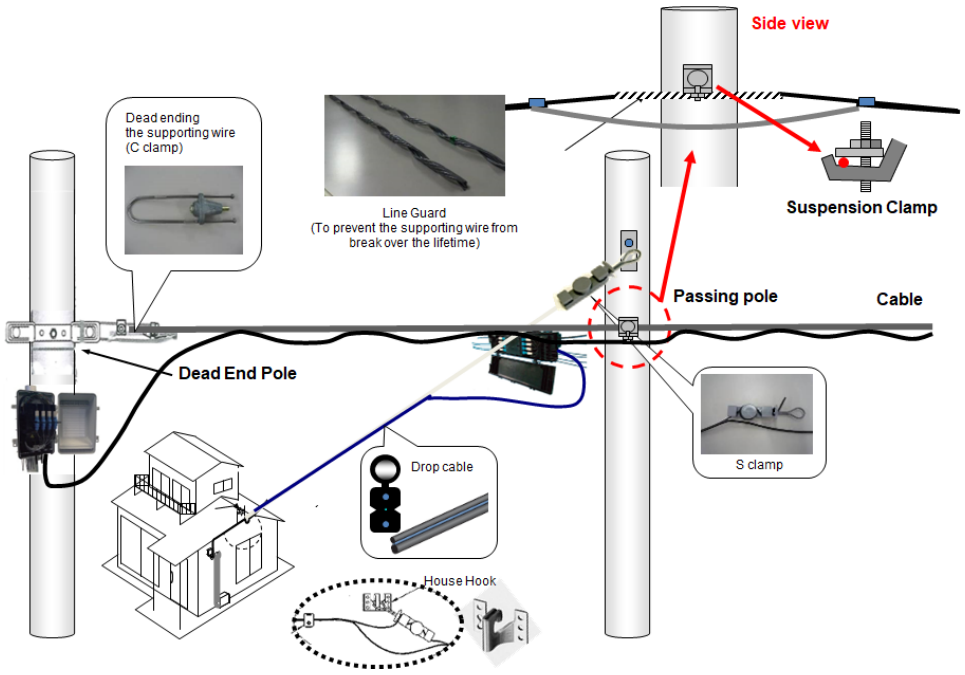
Sample installation of Self-Supporting Wire WTC™



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	250um	250um	ITU-T G.652.D and G.657.A1	8.6±0.4um	≤ 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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