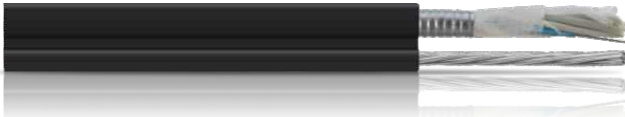


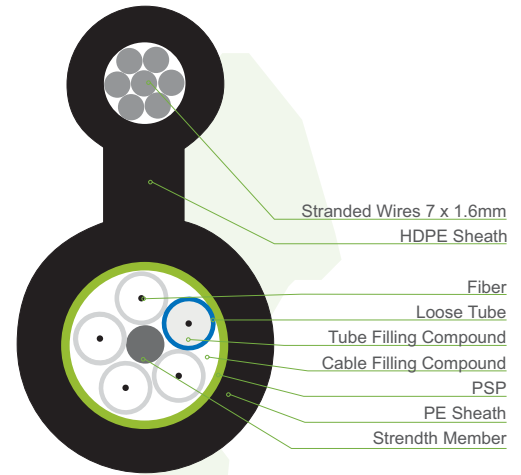
PRODUCT DATA SHEET

Figure-8 Cable with Steel Tape (GYTC8S)



Introduction

In the Nitrotel GYTC8S cable, single-mode/multimode fibers are positioned in the loose tubes, which are made of high modulus plastic, while the loose tubes strand together around metallic central strength member into a compact and circular cable core, and the water-blocking compound is distributed into interstices of it. After a PSP is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a HDPE sheath to be a figure-8 structure. This kind of cable is specifically used for self supporting aerial installation.



Fiber color code

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

Fiber color in each tube starts from No. 1 Blue.

Color codes for loose tube & filler rod

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Gray	White	Red	Black	Yellow	Violet	Pink	Aqua

Tube color in each layer starts from No. 1 Blue. If there are fillers, the color is nature.

Order Information and Characteristics of Optical Cables

Cable Type (increased by 2 fibers)	Fiber Count	Cable Diameter mm	Cable Type Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100 mm
NTGYTC8S-2~30Xn	2~30	9.6 x 21	270	3000/8000	300/1000
NTGYTC8S-32~36Xn	32~36	10.2 x 21.6	285	3000/8000	300/1000
NTGYTC8S-38~60Xn	38~60	11.6 x 23	320	3000/8000	300/1000
NTGYTC8S-62~72Xn	62~72	12 x 23.4	340	3000/8000	300/1000
NTGYTC8S-74~96Xn	74~96	14.2 x 25.6	390	3000/8000	300/1000
NTGYTC8S-98~120Xn	98~120	16.0 x 27.4	430	3000/8000	300/1000
NTGYTC8S-122~144Xn	122~144	17.7 x 29.1	480	3000/8000	300/1000

Note:

- Suffix Xn denotes fiber type and see details in Nitrotel cable coding illustration.
- The color arrangement of fiber and tube is specified in color identification table.
- The normal PE sheath thickness is 1.8mm.
- The installation span should not be more than 100m and the installation sag should not be less than 0.5%. Figure-8 cable with other span and standard 0.5% sag is available on request.
- Dimensions of the figure-8 cable have close relationship with moulds and production process, the above-mentioned dimensions are subject to actual dimensions

Characteristic

- Excellant mechanical and temperature performance
- Critical protection to fibers, based on the excellent hydrolysis resistance and strength performance of tube material and special filling compound filled in the tube
- The following measures are taken to ensure the water blocking performance of the cable:
 - Single steel wire used as the central strength member
 - Special water-blocking filling compound in the loose tube
 - 100% cable core filling
 - PSP moisture barrier
- Application: Duct/Aerial

Order Information (Part Number)

NT-GYTC8S-XXS

