

## Figure-8 cable with steel tape (GYTC8S)

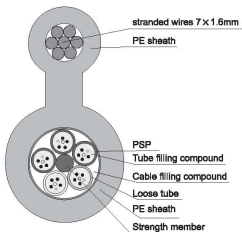
### Description

The fibres, either of single-mode or multimode type, are placed in a loose tube made of high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire locates in the center of core as a metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular cable core. After PSP is applied around the cable core, this part of cable accompanied with the stranded wires as the supporting part are completed with a polyethylene (PE) sheath to be figure 8 structure. This kind of cable is specifically applied for self-supporting aerial installation.



### Characteristics

- Accurate fibre excess length ensures a good performance of tensile strength and temperature.
- High strength loose tube that is hydrolysis resistant and special tube filling compound ensure a critical protection of fibre.
- The following measures are taken to ensure the cable watertight:  
 Single steel wire as the central strength member  
 Loose tube filling compound  
 100% cable core filling  
 PSP enhancing moisture-proof



Storing temperature: -40℃ to +70℃  
 Operating temperature: -30℃ to +70℃  
 Bending radius: Static 10×D  
 Dynamic 20×D

Application: Duct/Aerial  
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 YOFC-MKD-321E

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Cable Type (increased by 2 fibres)	Fibre Count	Cable Diameter mm	Cable Weight kg/km	Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm
GYTC8S-2-30Xn	2-30	9.6×21	270	3000/8000	300/1000
GYTC8S-32-36Xn	32-36	10.2×21.6	285	3000/8000	300/1000
GYTC8S-38-60Xn	38-60	11.6×23	320	3000/8000	300/1000
GYTC8S-62-72Xn	62-72	12×23.4	340	3000/8000	300/1000
GYTC8S-74-96Xn	74-96	14.2×25.6	390	3000/8000	300/1000

Note:

- Suffix Xn denotes fibre type and see details in YOFC' s cable coding illustration.
- The colour arrangement of fibre and tube is specified in the colour identification table.
- The nominal PE sheath thickness is 1.8mm.
- The installation span should not be more than 120m and the installation sag should not be less than 0.5%.