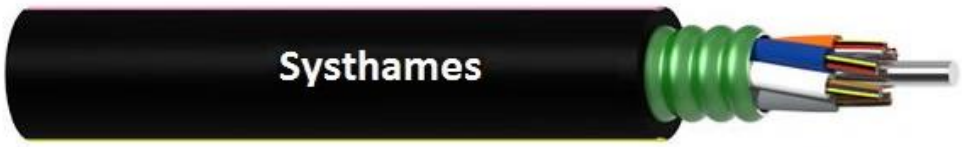
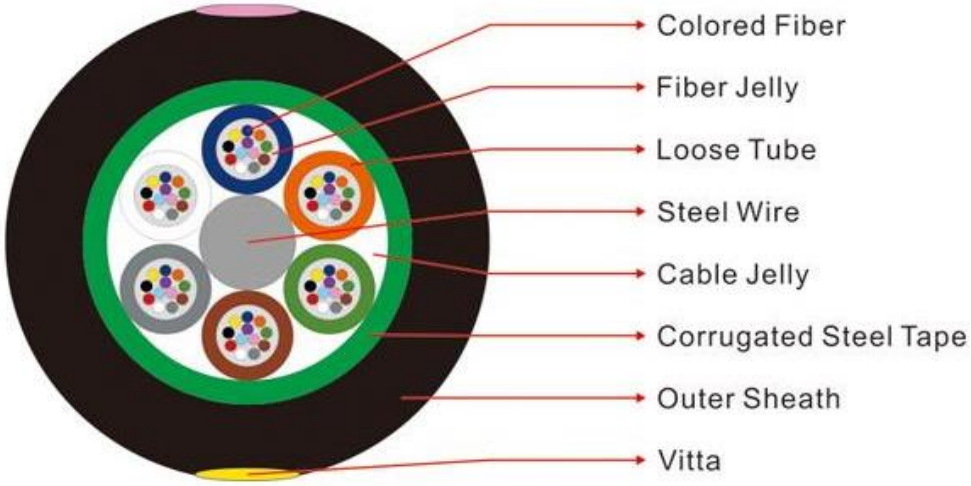
Outdoor Duct Armored Fiber Optic Cable GYTS





Product Code	Description			
3531-70002-2	Outdoor duct armored fiber optic cable GYTS	9/125;50/125; 62.5/125	OM3;OM4	2 - 144 core

Description

The fibers, 250μm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. A steel wire, sometimes sheathed with polyethylene (PE) for cable with high fiber count, locates in the center of core as a metallic strength member. Tubes (and fillers) are stranded around the strength member into a compact and circular cable core. The PSP is longitudinally applied over the cable core, which is filled with the filling compound to protect it from water ingress. The cable is completed with a PE sheath.

Characteristics

· Good mechanical and temperature performance
- Steel wire used as the central strength member
· Hydrolysis resistant high strength loose tube
· Special tube filling compound ensuress fiber protection
· Specially designed compact structure is good at preventing loose tubes from shrinking
· Crush resistance and flexibility
· PE sheath protects cable from ultraviolet radiation
· The following measures are taken to ensure the cable watertight:
    - Loose tube filling compound
    - 100% cable core filling
    - PSP enhancing moisture-proof

Standards

3531-70001 fiber optic cable complies with Standard YD/T 901-2001as well as IEC 60794-1.

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Optical Characteristics

		G.652	G.655	50/125μm	62.5/125μm
Attenuation (+20℃)	@850nm			≤3.0 dB/km	≤3.0 dB/km
	@1300nm			≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km		
	@1550nm	≤0.22 dB/km	≤0.23dB/km		
Bandwidth (Class A)	@850nm			≥500 MHz • km	≥200 MHz • km
	@1300nm			≥1000 MHz • km	≥600 MHz • km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength λcc		≤1260nm	≤1480nm		

Technical Parameters

Cable Type	Fiber Count	Tubes	Fillers	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius Static /Dynamic mm
GYTS-2~6	2~6	1	4	10.2	116	600/1500	300/1000	10D/20D
GYTS-8~12	8~12	2	3	10.2	116	600/1500	300/1000	10D/20D
GYTS-14~18	14~18	3	2	10.2	116	600/1500	300/1000	10D/20D
GYTS-20~24	20~24	4	1	10.2	116	600/1500	300/1000	10D/20D
GYTS-26~30	26~30	5	0	10.2	116	600/1500	300/1000	10D/20D
GYTS-32~36	32~36	6	0	10.6	129	1000/3000	300/1000	10D/20D
GYTS-38~48	38~48	4	1	11.2	141	1000/3000	300/1000	10D/20D
GYTS-50~60	50~60	5	0	11.2	141	1000/3000	300/1000	10D/20D
GYTS-62~72	62~72	6	0	12	159	1000/3000	300/1000	10D/20D
GYTS-74~84	74~84	7	1	13.6	209	1000/3000	300/1000	10D/20D
GYTS-86~96	86~96	8	0	13.6	209	1000/3000	300/1000	10D/20D
GYTS-98~108	98~108	9	1	15.4	232	1000/3000	300/1000	10D/20D
GYTS-110~120	110~120	10	0	15.4	232	1000/3000	300/1000	10D/20D
GYTS-122~132	122~132	11	1	17.2	280	1000/3000	300/1000	10D/20D
GYTS-134~144	134~144	12	0	17.2	280	1000/3000	300/1000	10D/20D

Storage/Operating Temperature : -40℃ to + 70℃