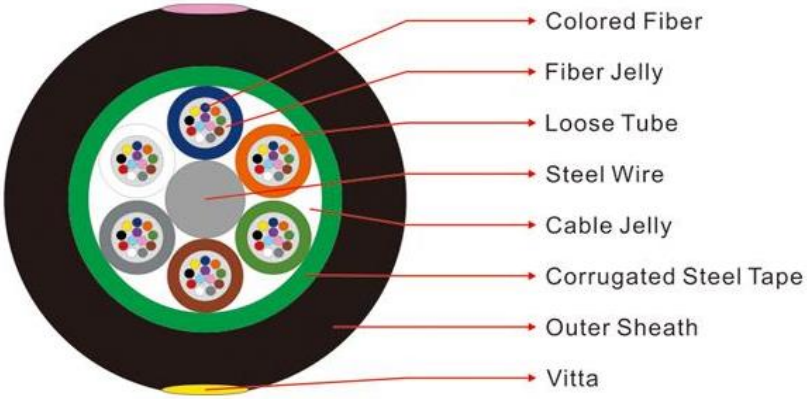
Outdoor Duct Fiber Optic Cable



Product Code	Description			
4034-00003	Outdoor duct fiber optic cable	9/125;50/125; 62.5/125	OM3;OM4	1-24 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
· Hydrolysis resistant high strength looes tube
· Special tube filling compound ensure 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:
  - Steel wire used as the central strength member
  - Loose tube filling compound
  - 100% cable core filling
  - PSP enhancing moisture-proof

·Standards

4034-00003 fiber optic cable complies with Standard YD/T 901-2001as well as IEC 60794-1.

Outdoor Duct Fiber Optic Cable

·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	1.00	4.00	10.20	116.00	600/1500	300/1000	10D/20D
GYTS-8~12	8~12	2.00	3.00	10.20	116.00	600/1500	300/1000	10D/20D
GYTS-14~18	14~18	3.00	2.00	10.20	116.00	600/1500	300/1000	10D/20D
GYTS-20~24	20~24	4.00	1.00	10.20	116.00	600/1500	300/1000	10D/20D

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

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