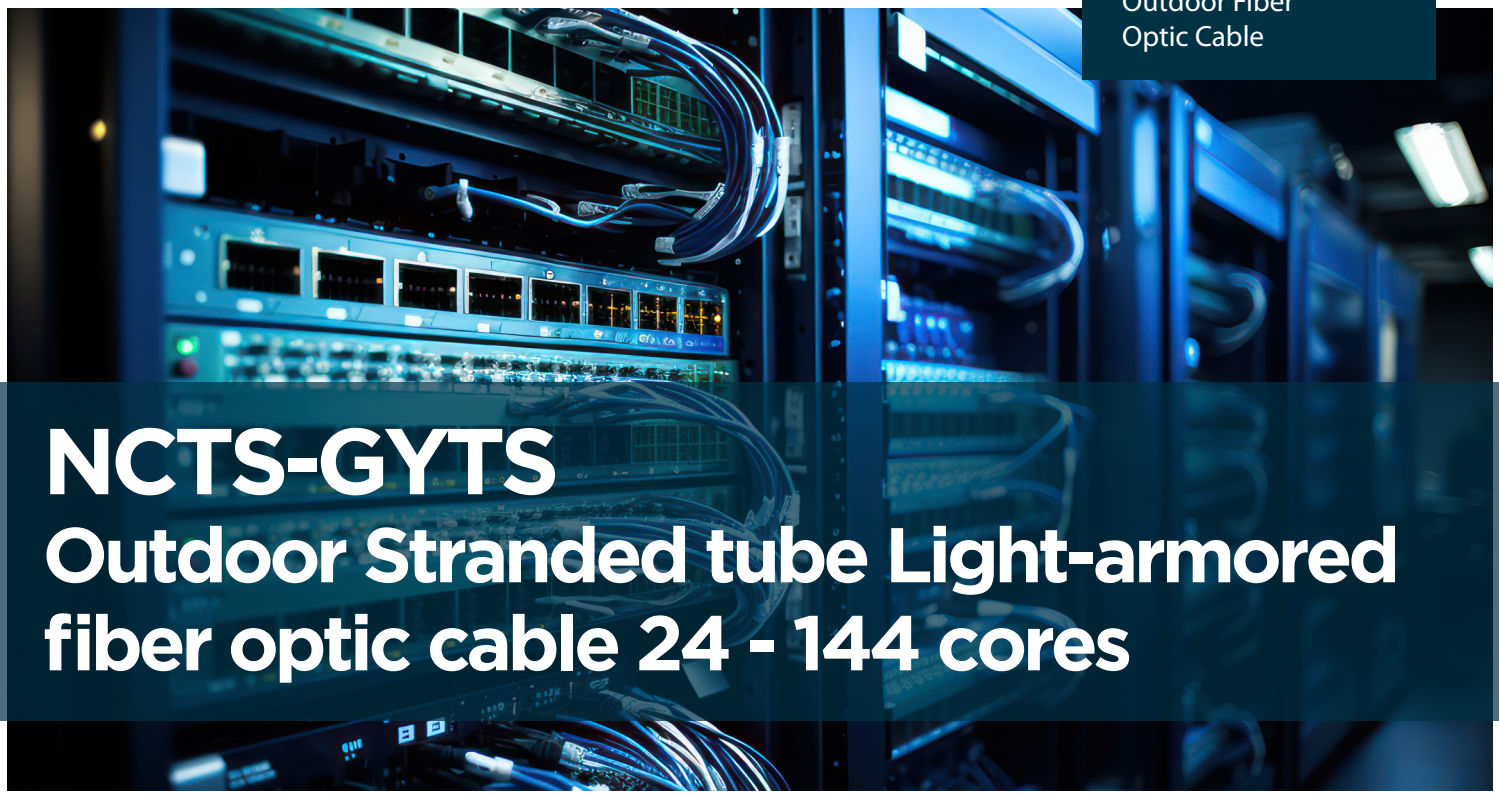
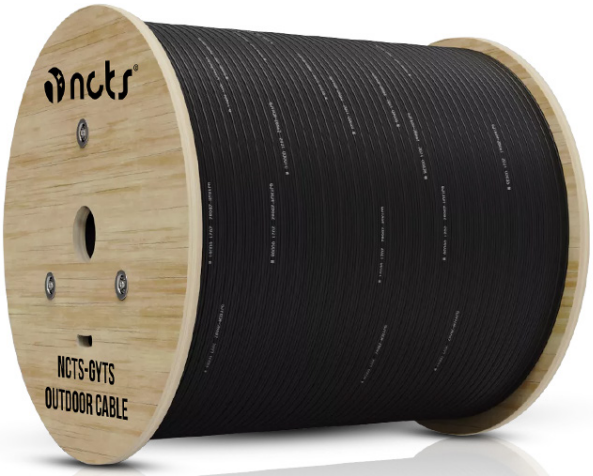


NCTS-GYTS
Outdoor Stranded tube Light-armored fiber optic cable 24 - 144 cores

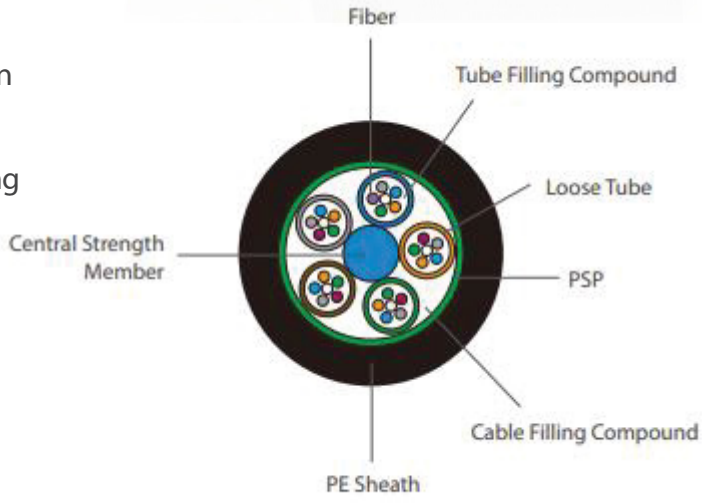
Description

The optical fiber 250μm(24~144cores) 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,somtimes 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 steel tape(PSP) is longitudinally applied over the cable core,which is filled with the filling compound to protect it from water ingress.Then,the cable is completed with a PE sheath.



Characteristics

- Application: duct/aerial/direct buried
- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Special designed compact structure is good at preventing loose tube from shrinking
- Crush resistance and flexibility
- PSP enhancing moisture-proof



NCTS-GYTS

Outdoor Stranded tube Light-armored fiber optic cable 24 - 144 cores

Technical Specifications

Model: NCTS-GYTS

Technical parameter

Fiber counts	24	36	48	144
Fiber type	G.652D	G.652D	G.652D	G.652D
PBT tube qty.	4	6	4	12
Fibers/Tube	6	6	12	12
Strength member	1.4mm steel wire	1.8mm steel wire	1.8mm steel wire	2.0/5.8mm steel wire
Outer sheath	PE	PE	PE	PE
Cable O.D.	8.9± 0.3mm	9.3± 0.3mm	9.6±0.3mm	14.1± 0.3mm

Attenuation Max.	1310nm	dB/km	⩽0.36
	1550nm		⩽0.22
Bending radius	Statistic	mm	10D
	Dynamic		20D
Temperature	installation	°c	-15~+60
	Storage and transportation		-20~+60
	Working		-20~+60
Tensile	Long term	N	600
	Short term		1500
Crush	Long term	N/10cm	300
	Short term		1000

G.652d Fiber

Geometric features	cladding diameter μm		125.0±0.8
	Cladding roundness %		≤1.0
	Coating diameterμm		245±10
	Coating/cladding concentricity error μm		≤12
	Coating roundness %		≤6
	Core/cladding concentricity error μm		≤0.5
optical properties	The mode field diameter	1310nm	8.8±0.4μm
		1550nm	9.8±0.6μm
	attenuationdB/km	1310nm	≤0.36
		1550nm	≤0.22
	Cutoff wavelength nm		≤1260

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