

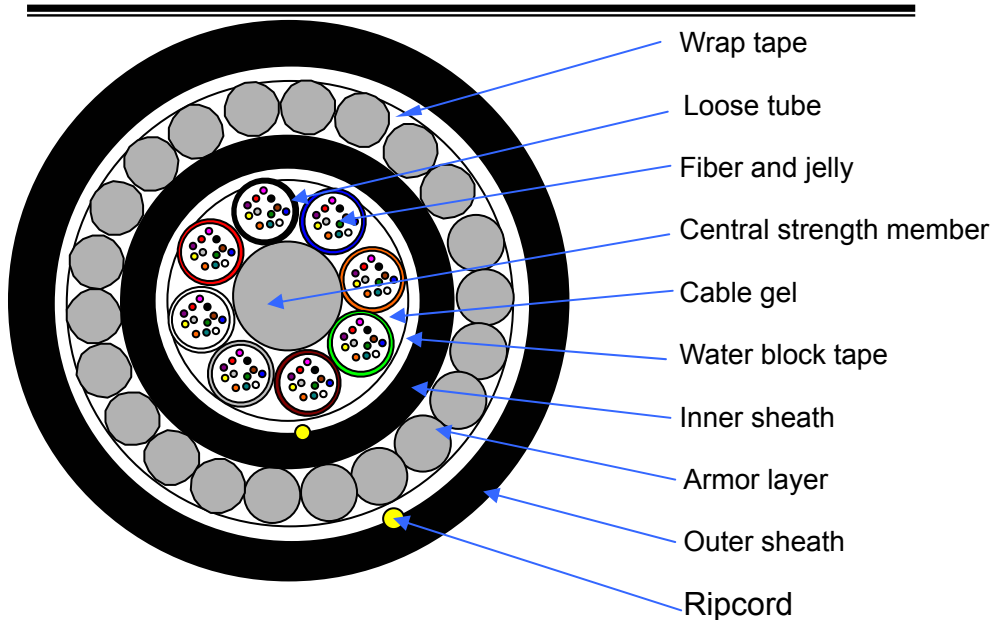


TECHNICAL SPECIFICATIONS

ZHONGTIAN TECHNOLOGIES CO., LTD.

CROSS SECTIONAL DIAGRAM

TYPE: GYFSTY33



Structure and specification

Structure		Detail
Center strength member	Material	PE coated FRP
Loose tube	Material	PBTP
Wrap tape	Material	Water-swellaable tape
	Thickness	0.20 mm
Inner sheath	Material	PE
	Thickness	1.0 mm
Armor layer	Material	Strengthen steel wires
	Diameter	1.5 mm
	Number	96B1D: 26 ± 1; 192B1D: 30 ± 1;
Outer sheath	Material	HDPE
	Thickness	96B1D: 2.0 mm; 192B1D: 2.2mm

1. DIMENSION CHARACTERISTICS

Fiber Count	Number of Total Unit (Tube + Fillers)	Number of Fibers per tube	Outer diameter (Nominal)	Weight (Nominal)	Max tensile strength
			mm	Kg/km	KN
96	8+ 0	12	18.7	570	20.0
192	8+0	24	21.3	710	20.0

2. MECHANICAL CHARACTERISTICS

Crush resistance	Short term	5000N/10cm
	Long term	3000N/10cm
Bend radius	Short term	25 times of outer diamters
	Long term	15 times of outer diamters
Temperature	Operation and storage	- 40 ... + 70
	installation	- 10 ... + 60

3. FIBERS AND TUBE COLOR CODE:

IEC 60304:

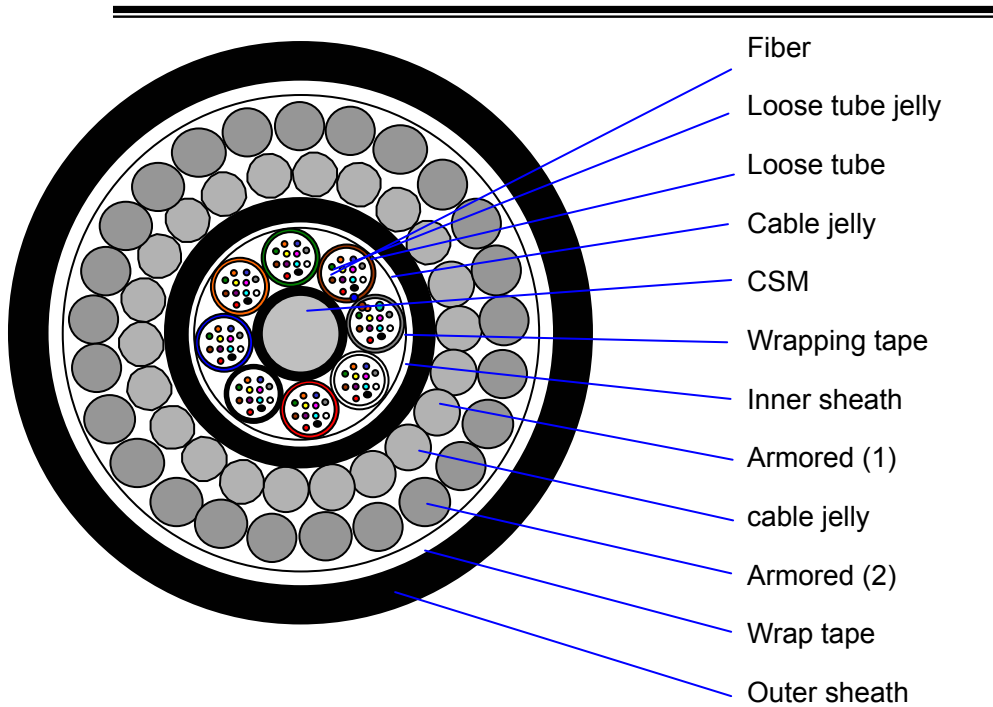
Fiber Color: Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink and Aqua;

Tube Color: Blue, Orange, Green, Brown, Gray, White, Red and Black.

4. Max reel length: 4000m/drum.

CROSS SECTIONAL DIAGRAM

TYPE: GYFSTY333



Structure and specification

Structure		Detail
Center strength member	Material	PE coated FRP
Loose tube	Material	PBTP
Wrap tape	Material	Water-swellaable tape
	Thickness	0.20 mm
Inner sheath	Material	PE
	Thickness	1.0 mm
Armor layer 1	Material	Strengthen steel wires
	Diameter	2.5 mm
	Number	96B1D:17 ± 1; 192B1D:19 ± 1
Armor layer 2	Material	Strengthen steel wires
	Diameter	3.0 mm
	Number	96B1D:19 ± 1; 192B1D: 23 ± 1
Outer sheath	Material	HDPE
	Thickness	96B1D: 2.0 mm; 192B1D: 2.2mm

1. DIMENSION CHARACTERISTICS

Fiber Count	Number of Total Unit (Tube + Fillers)	Number of Fibers per tube	Outer diameter (Nominal)	Weight (Nominal)	Max tensile strength
			mm	Kg/km	KN
96	8+ 0	12	26.7	1950	100.0
192	8+0	24	29.3	2315	100.0

2. MECHANICAL CHARACTERISTICS

Crush resistance	Short term	10000N/10cm
	Long term	5000N/10cm
Bend radius	Short term	25 times of outer diameters
	Long term	15 times of outer diameters
Temperature	Operation and storage	- 40 ... + 70
	installation	- 10 ... + 60

3. FIBERS AND TUBE COLOR CODE:

IEC 60304:

Fiber Color: Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink and Aqua;

Tube Color: Blue, Orange, Green, Brown, Gray, White, Red and Black.

4. Max reel length: 2000m/drum.