

## Slotted Core Optical Fiber Ribbon Cable GYFDGS[A] GYDGS[A]

### Description

- For cables of 300 cores and below: 4 cores or 6cores fiber ribbons are put into the "Z" or "SZ" type HDPE cable core slots, wrap the cable core with water-blocking tape, and a layer of double plastic—coated aluminum or steel tape is armored, then extrude a layer of PE sheath. The central strength member can be FRP or a single wire or stranded wires.
- For cables of above 300 cores: Scores or 8 cores or 12 cores fiber ribbons are put into the"Z" type HDPE cable core slots, wrap the cable core with water-blocking tape, and a layer of double plastic—coated aluminum or steel tape is armored, then extrude a layer of PE sheath. The central strength member can be FRP or a single wire or stranded wires. The maximum fiber capacity is upto 1200 cores.

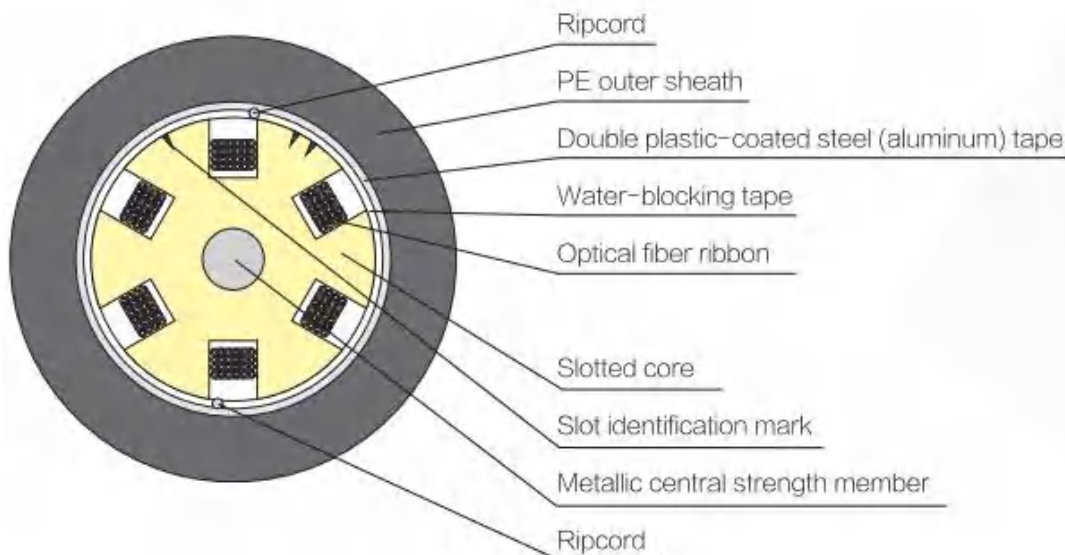
### Characteristics

- Smaller overall diameter and lighter weight with high density of optical fibers compared with the other types of cable with same fiber counts. Or higher fiber count compared with the other types of cable with same cable diameter.
- Excellent performance of crush resistance and impact resistance.
- SAP water-blocking tape adopted to provide whole cross-section water resistance.
- Adopting the full dry-core structure (without fiber jelly and cable gel) to be environmentally friendly, greatly save the preparation time and improve the installation efficiency, and can be protected by air inflation.
- For SZ type slotted core optical fiber cable, the fiber ribbon may be freely taken out from the slot after splitting the sheath, easy and convenient for branching.
- RipCORDs are placed between cable core and sheath for easy splitting.
- Can be stranded with signal twisted pairs in the slot if needed.

### Application

- Slotted core optical fiber ribbon cable is a new type of high fiber capacity cable, fully meet the requirements of modern communication development (FTTX). It greatly improves the efficiency and convenience of construction, especially applicable to metropolitan area network, access network and junction network.

#### Slotted Core Optical Fiber Ribbon Cable GYFDGS[A] GYDGS[A] (40-1200 cores)

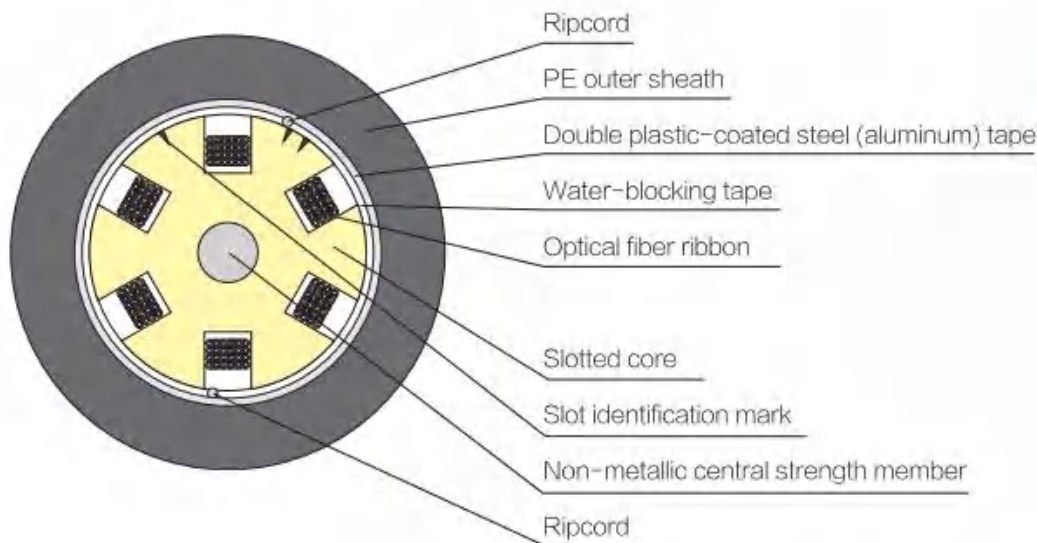


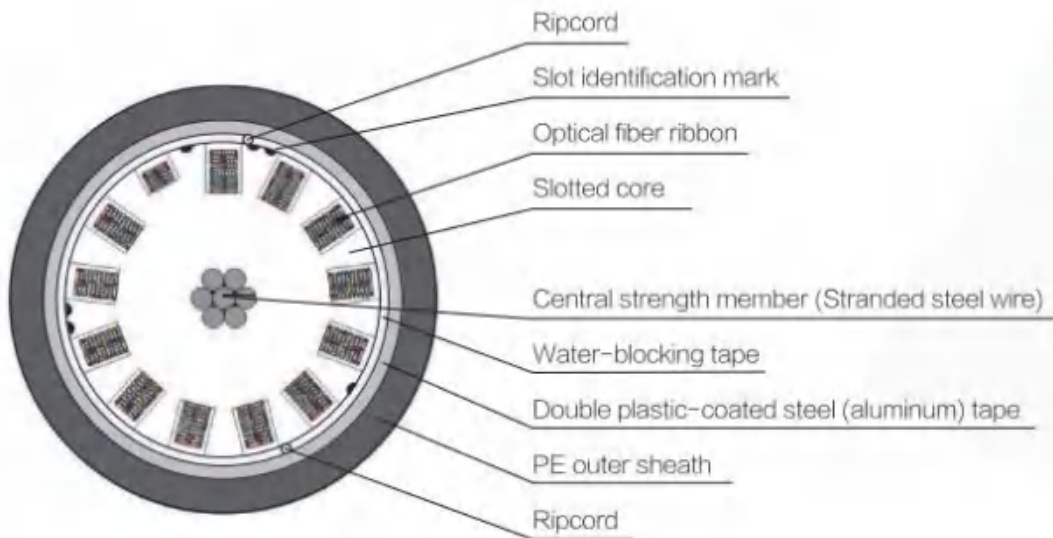
### Technical parameters

S N	Fiber count each ribbon	Fiber count	Direction of rotation	Central strength member	Max. fiber count per slot	Cable O.D of slot core(mm)	Width of water blocking tape(mm)	Width of aluminum tape(mm)	Thickn ess of sheath (mm)	Cable O. D (m m)	Cable weig ht (Kg/ KM)	Minimum bending radius		Tension allowed(N)		Crush resistance(N )	
												Static	Dynamic	Sh ort ter m	Lo ng ter m	Sh ort ter m	Lo ng ter m
1	4	10 0	SZ	2.3B L	20	9	35	39	1.8	14. 1	161	10 times O.D	20 times O.D	15 00	60 0	10 00	300
2		20 0	SZ	2.3B L	20	12.5	35	49.5	1.8	17. 6	227						

### Remark

- ◆ The slot without any fiber shall be filled with water blocking yarns for water resistance unless otherwise stated or required by customer.
- ◆ Two ripcords will be placed oppositely between the aluminum 1 steel tape and water blocking tape for easy rip-off of the aluminum/steel tape-PE bonded outer sheath.
- ◆ Code of the slot core model name: A: 4 cores fiber ribbon B: 6 cores fiber ribbon C: 8 cores fiber ribbon D: 12 cores fiber ribbon





### Technical parameters

SN	Fiber count each ribbon	Fiber count	Direction of rotation	Max. fiber count per slot	Cable O.D (mm)	Cable weight (Kg/KM)	bending radius		Tension allowed(N)		Crush resistance(N)	
							Static	Dynamic	Short term	Long term	Short term	Long term
1	4	40	Z	12	10.9	110	10 times O.D	20times O.D	1500	600	1000	300
2		60	z	16	11.6	129						
3		96	z	20	13.1	164						
4		100	z	24	12.8	151						
5		144	z	20	14.3	188						
6		160	z	20	15.1	202						
7		200	z	24	16.6	237						
8		216	z	24	16.5	236						
9		288	z	20	19.3	306						
10		300	z	24	20.4	333						
11	6	96	z	24	12.7	158						
12		120	z	24	13.9	174						
13		144	z	36	14.5	190						
14		216	z	36	17.1	243						
15		288	z	48	17.8	265						
16		384	z	48	20.3	333						
17		432	z	60	21.3	372						
18		600	z	60	23.9	450						

19		720	z	80	26.1	530						
20	8	400	z	80	20.1	347						
21		600	z	80	23.1	452						
22		1000	z	48	29.5	695						
23		12	144	z	72	15	192					
24	288		z	96	17.3	258						
25	360		z	108	19.1	307						
26	432		z	84	19.8	331						
27	504		z	96	21.6	394						
28	576		z	108	21.6	402						
29	648		z	120	22.3	428						
30	720		z	108	23.3	463						
31	864		z	108	24.6	505						
32	1080		z	120	27.9	632						
33	1200		z	12	29	679						

**Remark**

- ◆The slot without any fiber shall be filled with water blocking yarns for water resistance unless otherwise stated or required by customer.
- ◆Two ripcords will be placed oppositely between the aluminum / steel tape and water blocking tape for easy rip-off of the aluminum/steel tape-PE bonded outer sheath.
- ◆ Code of the slot core model name: A: 4 cores fiber ribbon B: 6 cores fiber ribbon C: 8 cores fiber ribbon