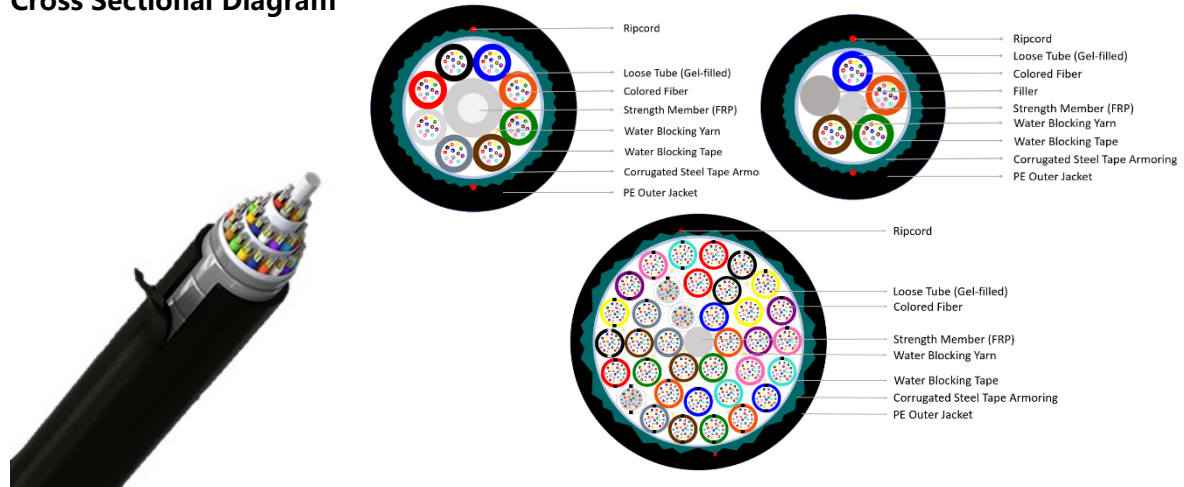


# Peelable Steel Armored Cable (Gel-filled)

12F~864F, Single-Mode, Colored Fiber, Loose Tube, Steel Tape Armoring, PE Jacket

## Cross Sectional Diagram



## Applications

- Outdoor
- Suitable for aerial installations
- Suitable for external duct and direct burial applications

## Features

- PE Jacket
- Registered mark **PSAC**<sup>®</sup>  
Peelable Steel Armored cable
- Single armored construction for crush and rodent protection, with ripcords for easy stripping

## Specifications

Mechanical Specifications											
Fiber Count	12	24	36	48	72	96	144	288	432	576	864
Fibers per Tube	12	12	12	12	12	12	12	12	24	24	24
Nominal Outer Diameter	10.3 mm (0.40 in)	10.3 mm (0.40 in)	10.3 mm (0.40 in)	10.3 mm (0.40 in)	11.0 mm (0.43 in)	12.0 mm (0.47 in)	15.0 mm (0.59 in)	17.0 mm (0.66 in)	18.0 mm (0.70 in)	21.0 mm (0.82 in)	24.0 mm (0.94 in)
Nominal Weight (kg/km [lb/1000 ft])	104 (70)	105 (70)	106 (71)	107 (72)	122 (82)	142 (95)	215 (144)	277 (186)	230 (155)	387 (260)	485 (326)
Max. Tensile Strength, Short-term/ Long-term	1400 N / 450 N				2400 N / 650 N			2700 N / 800 N			
Crush Resistance	1000 N / 100 mm										
Min. Bend Radius- Installation	155 mm (6.1 in)	155 mm (6.1 in)	155 mm (6.1 in)	155 mm (6.1 in)	165 mm (6.5 in)	180 mm (7.0 in)	225 mm (8.9 in)	255 mm (10.0 in)	270 mm (10.6 in)	315 mm (12.4 in)	360 mm (14.1 in)
Min. Bend Radius- Operation	103 mm (4.0 in)	103 mm (4.0 in)	103 mm (4.0 in)	103 mm (4.0 in)	110 mm (4.3 in)	120 mm (4.7 in)	150 mm (5.9 in)	170 mm (6.7 in)	180 mm (7.0 in)	210 mm (8.2 in)	240 mm (9.4 in)

Spec. No: M01PSAC2DCGPBK24LD



### General Specifications

Fiber Coating	Colored
Fiber Type	Single-Mode (OS2)
Tube Type	Gel-filled
Tube Material	PBT (Polybutylene Terephthalate)
Tube Strength Member	Water Blocking Yarn
Strength Member	FRP (Fiber Reinforced Plastic)
Armoring Material	Corrugated Steel tape
Outer Jacket Material	PE (Polyethylene)
Outer Jacket Color	Black*

\*Subject to change upon request

### Fiber & Tube Coloring

1	2	3	4	5	6	7	8	9	10	11	12
Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Pink	Aqua
13	14	15	16	17	18	19	20	21	22	23	24
Blue*	Orange*	Green*	Brown*	Slate*	White*	Red*	Black*	Yellow*	Violet*	Pink*	Aqua*
25	26	27	28	29	30	31	32	33	34	35	36
Blue**	Orange**	Green**	Brown**	Slate**	White**	Red**	Black**	Yellow**	Violet**	Pink**	Aqua**

Color order can be changed upon the customer's request

### Environmental Conditions

Temperature Range – Installation	- 30°C to + 70°C (- 22°F to 158°F)
Temperature Range - Storage	- 40°C to + 70°C (- 40°F to 158°F)
Temperature Range - Operation	- 40°C to + 70°C (- 40°F to 158°F)

### Optical Characteristics (Single-Mode)

Fiber Category	G652D		
Wavelengths	1310 nm	1383 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.40 dB/km	0.25 dB/km

\*The values of fiber attenuation loss change are the results measured after all tests have been completed



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